











Gou. Doc  
Ont  
L

# SESSIONAL PAPERS

---

VOL. LXXIX.—PART II

---

THIRD SESSION

OF THE

TWENTY-SECOND LEGISLATURE

OF THE

PROVINCE OF ONTARIO

---

SESSION 1947

---

488941

---

2.4. 49

TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1948



# CONTENTS

## FOR PART II

---

### REPORTS

---

DEPARTMENT OF LANDS AND FORESTS

INSPECTOR OF LEGAL OFFICES

NIAGARA FALLS PARK COMMISSION

LOAN AND TRUST CORPORATIONS

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF LABOUR

DEPARTMENT OF EDUCATION

UNIVERSITY OF TORONTO

DEPARTMENT OF HEALTH





REPORT  
OF THE  
Minister of Lands and Forests  
OF THE  
PROVINCE OF ONTARIO

For the Fiscal Year ending  
March 31, 1946

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 3, 1947



TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1947



TO HIS HONOUR,

*The Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to your Honour, the Annual Report of the Department of Lands and Forests for the fiscal year April 1,<sup>st</sup> 1945, to March 31, 1946.

W. G. THOMPSON,

*Minister.*

## CONTENTS

---

	Page
INTRODUCTION.....	5
DIVISION OF ACCOUNTS.....	7
DIVISION OF AIR SERVICE.....	23
DIVISION OF FOREST PROTECTION.....	33
DIVISION OF LAND AND RECREATIONAL AREAS.....	57
DIVISION OF LAW.....	73
DIVISION OF OPERATION AND PERSONNEL.....	75
DIVISION OF REFORESTATION.....	95
DIVISION OF RESEARCH.....	103
DIVISION OF SURVEYS AND ENGINEERING.....	111
DIVISION OF TIMBER MANAGEMENT.....	119
TIMBER AGREEMENTS.....	163



## GENERAL INTRODUCTION

The feature of the year ending March 31, 1946, was the commencement of the implementation of a definite research programme, organized under the direction of a full time Division Chief and augmented staff.

The heavy demand for forest products continued throughout the year without easement in labour supply. The following figures may serve to compare the number of men employed in the last two years:

TABLE OF MEN IN LOGGING CAMPS BY DISTRICTS	JANUARY 1945	JANUARY 1946
Algonquin.....	1,315	1,050
Cochrane.....	4,379	5,254
Fort Frances.....	754	1,058
Geraldton.....	2,374	3,366
Kapuskasing.....	4,924	5,909
Kenora.....	1,701	1,788
North Bay.....	2,410	2,825
Parry Sound.....	1,200	1,350
Port Arthur.....	6,334	7,420
Sault Ste. Marie.....	2,693	3,088
Sioux Lookout.....	1,520	1,920
Sudbury.....	2,140	3,100
Tweed.....	1,015	1,190
TOTAL.....	<u>32,759</u>	<u>39,318</u>

No major administrative changes were made in the year under report. The work of the Department is listed under the same headings as last year, namely:

Accounts	Operation and Personnel
Air Service	Reforestation
Forest Protection	Research
Land and Recreational Areas	Surveys and Engineering
Law	Timber Management

All events of note are recorded under the above headings.



THE END OF THE PORTAGE

## DIVISION OF ACCOUNTS

## GENERAL

The financial report sets out a substantial increase—\$527,169.—in expenditure appropriation of the Department, as compared with the previous year. This increased appropriation was required—

- (1) To meet sharply rising costs of goods and services.
- (2) Construction of the Forest Insect Laboratory at Sault Ste. Marie.
- (3) Expansion in field work of the Reforestation, Forest Research, and Timber Management Divisions.

This increased expenditure was more than offset by an increase in cash receipts—\$1,450,002,—as compared with the previous year. Revenue for the year was the highest in the history of the Department, with most sources of revenue showing improvement, particularly receipts from sale of Crown timber. This result was due to an increase in available woods labour following the close of hostilities, and a sharp upswing in tourist trade throughout the Province.

Following the policy of obtaining the closest possible co-operation between Field and Main Offices, officers of this Division made the following field inspections:

- (1) For purposes of instruction of Field Officers and inspection of work programs—

*Reforestation Field Offices:* Orono, St. Williams.

*District Offices:* Algonquin Park, Cochrane, Geraldton, Kapuskasing, Kenora, North Bay, Parry Sound, Port Arthur, Tweed.

*Other Field Offices:* Ranger School (Dorset), Matheson, Gravenhurst, Kirkland Lake, Rondeau Park.

- (2) For other purposes—

*Dominion Income Tax Head Office*—Ottawa.

*Royal Canadian Air Force Headquarters*—Ottawa.

## FINANCIAL REPORT

1. *Cash Receipts and Disbursements:*

Statement for the year ending March 31, 1946, is set out on Schedule A, page 10. The following summarizes the result of operations for the year:

Total—Cash Receipts.....	\$6,863,447.32
Total—Cash Disbursements.....	4,099,394.44
Excess of Receipts over Disbursements.....	\$2,764,052.88

2. *Comparison of Results with those of Prior Years:*(a) *Receipts*

In Schedule B, page 14, cash receipts for the year under review have been compared with those of the previous four years. This data may be summarized as follows:

DIVISION	Years ending March 31st				
	1942	1943	1944	1945	1946
	\$	\$	\$	\$	\$
Accounts—					
Water Power Rentals.....	628,691	648,485	618,901	609,425	654,979
Provincial Land Tax.....	146,802	146,014	158,745	175,342	209,459
Long Lac Diversion.....	23,100	44,850	21,750	21,300	20,850
Miscellaneous.....	5,773	4,267	5,939	20,388	9,048
Land and Recreational Areas.....	164,998	173,779	273,754	294,308	348,258
Forest Protection.....	55,620	51,825	22,917	26,850	30,943
Timber Management.....	4,122,576	4,982,281	4,561,734	4,241,581	5,554,781
Surveys.....	36	3,438	13,293	1,275	459
Air Service.....	10,902	6,946	19,448	12,417	25,284
Reforestation.....	5,834	8,453	26,138	10,559	19,386
Lignite Development.....		924	16		
	\$5,164,332	6,071,262	5,722,635	5,413,445	6,863,447

(b) The following is a comparison of total disbursements for the five years ending March 31, 1946:

		Years ending March 31st				
	1942	1943	1944	1945	1946	
	\$	\$	\$	\$	\$	
Total Disbursements—						
Chargeable to appropriation as voted.....	2,565,554	2,799,689	3,040,901	3,572,225	3,988,394	
Additional Disbursements—						
Uncontrollable items, chargeable to Special Warrants.....	88,802	701,296	.....	.....	111,000	
	<u>82,654,356</u>	<u>3,500,985</u>	<u>3,040,901</u>	<u>3,572,225</u>	<u>4,099,394</u>	

(c) *Trend of Receipts and Disbursements*

i. *Receipts*

Annual Receipts 1946 as compared with 1942 show an increase of approximately \$1,699,115.00 or 32.9 per cent. This increase is due in large part to increased revenue from:

Land and Recreational Areas.....	\$ 182,360.00	
Timber Management.....	1,432,205.00	
Land Tax.....	62,657.00	
		<u>\$1,677,222.00</u>

ii. *Disbursements*

Annual Disbursements 1946 as compared with 1942 show an increase of \$1,445,038.00 or 54.4 per cent. This increase is accounted for in large part by the following items:

Cost of Living Bonus.....	\$ 58,831.00	
Air Service.....	112,019.00	
Forest Research—(Control of Spruce Bud Worm Jackpine Sawfly and General Field Research)	233,859.00	
Basic Organization, Extra Fire Fighting and Scaling.....	513,949.00	
Construction and operating Forest Ranger School and Construction of Forest Insect Laboratory.....	323,561.00	
Purchase of McLachlin Timber Limits.....	111,000.00	
		<u>\$1,353,219.00</u>



## Schedule A.

DEPARTMENT OF  
STATEMENT OF RECEIPTS  
FOR THE YEAR ENDING

**RECEIPTS**

## DIVISION OF ACCOUNTS

Water Power Rentals.....	\$ 654,978.77
Provincial Land Tax.....	209,459.44
Long Lac Diversion.....	20,850.00
Casual Fees, Surveys Office Fees, Etc.....	9,047.69
	\$ 894,335.90

## DIVISION OF LAND AND RECREATIONAL AREAS

## Land Sales

Agricultural.....	\$ 22,057.83
Summer Resort.....	32,720.54
Townsites.....	9,316.80
University.....	246.62
Grammar School.....	190.72
Miscellaneous.....	34,582.48
Unallocated.....	93,946.15
	\$193,061.14

## Land Rentals (Other than Parks)

Leases and Licenses of Occupation.....	\$7,285.38
Bruce Beach.....	1,682.74
Timagami Islands.....	2,020.44
	90,988.56

## Park Revenue

## Algonquin

Rentals.....	\$ 8,494.15
Miscellaneous.....	15,265.33
	23,759.48

## Rondeau

Rentals.....	11,665.83
Miscellaneous.....	3,351.64
	15,017.47

## Quetico

Rentals.....	80.27
Miscellaneous.....	8,788.70
	8,868.97

## Ipperwash Beach

Miscellaneous.....	575.50
	48,221.42

Miscellaneous Revenue.....	5,986.66
	338,257.78
Carried Forward.....	\$1,232,593.68

## Schedule A.

LANDS AND FORESTS  
AND DISBURSEMENTS  
MARCH 31, 1946

## DISBURSEMENTS

## MAIN OFFICE

Minister's Salary—Statutory.....	\$	8,000.00	
Salaries—Permanent.....	\$	268,953.04	
—Temporary.....		62,201.75	
			331,154.79
Travelling Expenses.....		27,330.00	
Maintenance and Operating.....		55,398.38	
Damage and Other Claims, Sundry Contingencies, Etc.....		2,258.91	
Compensation for Injured Workmen.....		12,459.69	
Legal Fees and Expenses.....		1,472.10	
Cost of Living Bonus—Entire Department.....		131,378.70	
Unemployment Insurance Stamps.....		34.90	
Return of Payments to Property Owners of Manitoulin Island		54.50	
To Provide for Flowage Easements and Discharging Claims, Etc		27.73	
Annuities and Bonuses to Indians.....		24,580.00	
Refund to Municipalities re Timber Dues.....		945.80	
Settlement re McLaughlin Timber Area.....		111,000.00	
			\$ 706,095.50

## FIELD SERVICES

## DIVISION OF SURVEYS

Grant—Board of Surveyors.....	200.00	
Aerial Surveys, Salaries, Etc.....	6,087.83	
Ground Surveys, Miscellaneous Expenses.....	21,258.54	
		27,546.37

## DIVISION OF FOREST RESEARCH (See Schedule "D" Page 17)

Salaries—Temporary.....	40,937.92	
Travelling Expenses.....	10,876.35	
Maintenance and Operating.....	182,045.39	
		233,859.66

## FIELD OPERATIONS (Including Provincial Parks)

## Basic Organization (See Schedule "E" Page 20)

Salaries—Permanent.....	\$	356,954.88	
—Temporary.....		709,506.73	
			\$ 1,066,461.61
Travelling Expenses.....		79,455.65	
Maintenance and Operating.....		695,723.99	
			1,841,641.25

## Extra Fire Fighting

Salaries—Temporary.....	169,815.53	
Travelling Expenses.....	4,678.94	
Maintenance and Operating.....	59,235.42	
		233,729.89

## Scaling

Salaries—Temporary.....	250,477.29	
Travelling Expenses.....	18,921.16	
Maintenance and Operating.....	10,821.32	
		280,219.77

## Clearing Townsites and Removal of Fire Hazards

Salaries, Etc. Maintenance and Operating.....		10,325.96	
---	--	-----------	--

Carried Forward..... \$3,333,418.40

## Schedule (A Continued)

DEPARTMENT OF  
STATEMENT OF RECEIPTS  
FOR THE YEAR ENDING

**RECEIPTS**

Brought Forward.....	\$1,232,593.68
<b>DIVISION OF FOREST PROTECTION</b>	
Miscellaneous.....	30,942.78
<b>DIVISION OF TIMBER MANAGEMENT (See Schedule "C" Page 16)</b>	
Crown Dues.....	\$4,947,915.12
Ground Rent.....	115,299.49
Fire Tax.....	419,322.89
Scalers' Wages.....	8,038.99
Interest.....	3,621.79
Mill Licenses.....	480.00
Cullers Examination Fees and Sundry.....	1,099.38
Cash Deposits.....	59,003.65
	<hr/> \$5,554,781.31
<b>DIVISION OF SURVEYS</b>	
Aerial Surveys—Net Receipts.....	458.95
<b>DIVISION OF AIR SERVICE</b>	
Miscellaneous.....	25,284.13
<b>DIVISION OF REFORESTATION</b>	
Miscellaneous.....	19,386.47
	<hr/> \$6,863,447.32

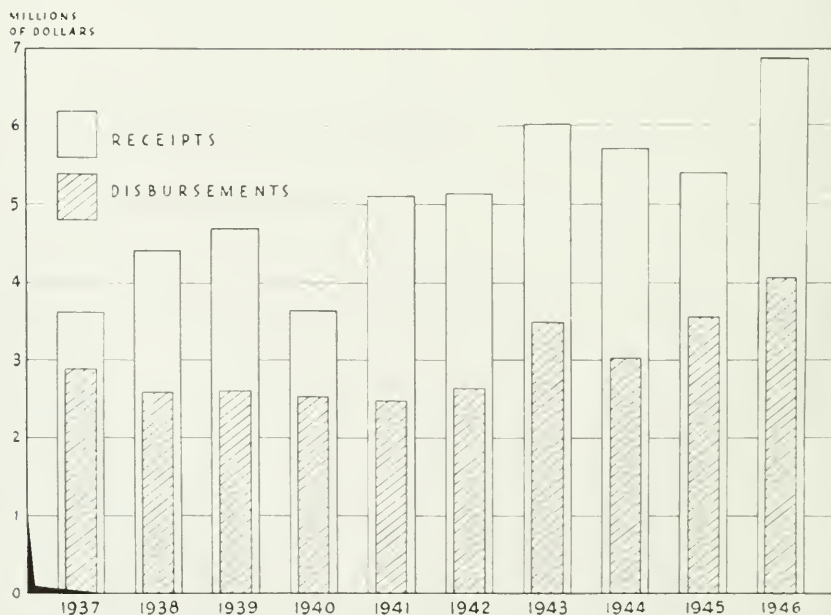


FIG 1—DEPARTMENT OF LANDS AND FORESTS  
Receipts and disbursements for the fiscal years  
1937-1946.

## Schedule A (Continued)

LANDS AND FORESTS  
AND DISBURSEMENTS  
MARCH 31, 1946

## DISBURSEMENTS

Brought Forward.....					\$3,333,418.40
DIVISION OF AIR SERVICE (See Schedule "F" Page 20)					
Salaries—Permanent.....	\$	115,758.55			
—Temporary.....		52,609.78			
			\$	168,368.33	
Travelling Expenses.....				6,005.37	
Maintenance and Operating.....				206,882.37	
					\$381,256.07
DIVISION OF REFORESTATION					
Salaries—Permanent.....	\$	36,181.31			
—Temporary.....		224,752.48			
				260,933.79	
Travelling Expenses.....				20,693.46	
Maintenance and Operating.....				70,495.94	
					\$352,123.19
Purchase of Land for Reforestation Purposes.....				32,525.81	
Grants to Municipalities in Compensation for Loss of School Taxes.....				70.97	
					\$384,719.97
Total Disbursements.....					\$4,099,394.44
Excess of Receipts over Disbursements—Paid into the Consolidated Revenue Fund of the Province.....					2,764,052.88
					<u>\$6,863,447.32</u>

MILLIONS  
OF DOLLARS

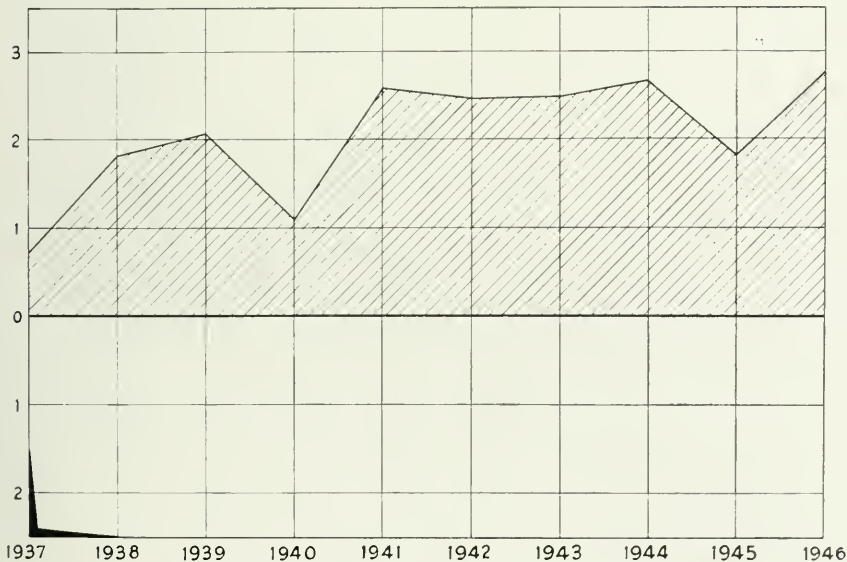


FIG. 2—DEPARTMENT OF LANDS AND FORESTS  
Excess of receipts over disbursements for the fiscal years  
1937-1946.

## Schedule B

DEPARTMENT OF  
COMPARISON OF RECEIPTS FOR

Comparison of Receipts for 5 years ending March 31, 1946

	1942
DIVISION OF ACCOUNTS	
Water Power Rentals.....	\$ 628,691.25
Provincial Land Tax.....	146,801.88
Long Lac Diversion.....	23,100.00
Refunds—Re Flowage Easements.....	
Casual Fees, Etc.....	3,461.64
Galt Lease.....	
Contractor's Deposit on Soo Laboratory Construction Project.....	
	<u>802,054.77</u>
DIVISION OF LAND AND RECREATIONAL AREAS	
Land Sales.....	41,960.84
Land Rentals (Other than Parks).....	76,880.64
Park Revenue—Including Park Rentals	
Algonquin.....	23,427.83
Rondeau.....	13,032.96
Quetico.....	8,909.55
Ipperwash Beach.....	785.95
Miscellaneous Revenue.....	2,311.89
	<u>167,309.66</u>
DIVISION OF FOREST PROTECTION	
Radio Service.....	15,436.73
Miscellaneous.....	40,183.09
	<u>55,619.82</u>
DIVISION OF TIMBER MANAGEMENT	
Crown Dues, Ground Rent, Fire Tax, Etc.....	<u>4,122,576.50</u>
DIVISION OF SURVEYS	
Lac Seul Storage Dam.....	35.55
Aerial Surveys—Net Receipts.....	
	<u>35.55</u>
DIVISION OF AIR SERVICE	
Miscellaneous.....	<u>10,902.02</u>
DIVISION OF REFORESTATION	
Miscellaneous.....	<u>5,833.50</u>
LIGNITE DEVELOPMENT	
Miscellaneous.....	
Total Receipts.....	<u>\$5,164,331.82</u>



## LANDS AND FORESTS

## Schedule B

## 5 YEARS ENDING MARCH 31, 1946

## Comparison of Receipts for 5 years ending March 31, 1946

1943	1944	1945	1946
\$ 648,484.87	\$ 618,901.26	\$ 609,425.12	\$ 654,978.77
146,013.91	158,744.95	175,341.55	209,459.44
44,850.00	21,750.00	21,300.00	20,850.00
113.20	93.76	.....	.....
3,191.91	2,924.52	4,719.34	9,047.69
.....	2,921.00	669.00	.....
.....	.....	15,000.00	.....
<u>842,653.89</u>	<u>805,335.49</u>	<u>826,455.01</u>	<u>894,335.90</u>
69,162.08	118,745.26	155,219.01	193,061.14
65,982.01	107,517.94	89,484.59	90,988.56
18,508.87	22,422.53	19,573.53	23,759.48
13,402.73	15,201.66	15,152.86	15,017.47
5,983.60	6,435.81	7,572.01	8,868.97
739.61	235.80	623.15	575.50
962.06	3,195.43	6,683.40	5,986.66
<u>174,740.96</u>	<u>273,754.43</u>	<u>294,308.55</u>	<u>338,257.78</u>
23,155.68	.....	.....	.....
28,669.50	22,916.40	26,850.25	30,942.78
<u>51,825.18</u>	<u>22,916.40</u>	<u>26,850.25</u>	<u>30,942.78</u>
4,982,281.03	4,561,733.49	4,241,581.00	5,554,781.31
.....	11,685.22	.....	.....
3,438.31	1,607.26	1,274.94	458.95
<u>3,438.31</u>	<u>13,292.48</u>	<u>1,274.94</u>	<u>458.95</u>
6,945.96	19,448.31	12,416.85	25,284.13
8,453.36	26,137.92	10,558.66	19,386.47
923.75	16.44	.....	.....
<u>\$6,071,262.44</u>	<u>\$5,722,634.96</u>	<u>\$5,413,445.26</u>	<u>\$6,863,447.32</u>

DEPARTMENT OF LANDS AND FORESTS  
DIVISION OF TIMBER MANAGEMENT  
ANALYSIS OF CASH RECEIPTS BY DISTRICTS

For Year ending March 31, 1946

Schedule C

District	Crown Dues	Ground Rent	Fire Tax	Scalers Wages	Interest	Mill Licenses	Cullers Exa. fees and Sundry	Total Timber Revenue	Cash Deposits	Total Re- venue and Cash Dep.
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Cochrane.....	792,797.65	14,967.80	44,666.20	2,871.62	698.35	56.00		856,057.62	12,025.00	868,082.62
Fort Frances.....	110,526.63	2,665.00	3,411.20	67.60	9.26	4.00		116,683.69	100.00	116,783.69
Geraldton.....	285,670.76	26,535.00	39,579.80	6.00	241.98	2.00		352,035.54	5,900.00	357,935.54
Kapuskasing.....	968,479.08	4,840.00	48,556.80	795.32	100.40	49.00		1,022,820.60	10,650.00	1,033,470.60
Kenora.....	163,767.85	3,250.00	37,382.40	289.66		8.00		204,697.91	500.00	205,197.91
North Bay.....	486,309.63	12,445.00	38,572.80	600.68	383.30	41.00		538,352.41	7,938.59	546,291.00
Parry Sound.....	85,352.98	5,280.00	6,818.66	283.88	67.24	81.00	1.38	97,885.11	3,300.00	101,185.11
Pembroke.....	126,539.65	10,959.20	14,029.07	174.92	140.93	76.00		151,919.77	1,800.00	153,719.77
Port Arthur.....	1,192,727.80	9,851.25	62,510.40	207.75	314.22	30.00		1,265,641.42	4,850.00	1,270,491.42
Sault Ste. Marie.....	262,285.73	4,421.74	52,749.25	1,245.72	655.68	13.00		321,371.12	1,960.00	323,331.12
Sioux Lookout.....	137,800.00	4,850.00	27,808.00	9.00	85.12	3.00		170,555.12		170,555.12
Sudbury.....	243,316.48	9,874.50	35,901.93	1,426.72	543.72	61.00		291,124.35	900.00	292,024.35
Tweed.....	92,340.88	5,360.00	7,336.38	60.12	381.62	56.00		105,535.00	9,080.06	114,615.06
Unallocated.....							1,098.00	1,098.00		1,098.00
	4,947,915.12	115,299.49	419,322.89	8,038.99	3,621.79	480.00	1,099.38	5,495,777.66	59,003.65	5,554,781.31

## Schedule D

DEPARTMENT OF LANDS AND FORESTS  
DIVISION of FOREST RESEARCH—PROJECTS  
STATEMENT OF EXPENDITURE  
(Including General Office)  
FOR YEAR ENDING MARCH 31, 1946

PROJECT	TOTAL COST
Bud Worm Spraying.....	\$ 142,243.08
Spraying Rondeau Park.....	1,965.76
Experiment Station.....	33,880.76
Pump & Hose Test.....	2,621.09
Pathology.....	1,256.17
Sulphur Fumes Investigation.....	15,024.95
Soil Surveys.....	11,052.73
Management Survey (Kirkwood).....	7,051.38
Goulais River Road Improvement.....	1,500.00
Biology.....	5,409.76
General Research.....	4,034.42
Wild Life.....	6,228.69
Algonquin Park History.....	2,311.09
Nature Study.....	523.00
Radio Experiments.....	4,197.34
White Pine.....	1,152.29
Regeneration Surveys.....	13,136.96
Total Direct Expenditures on Projects.....	\$ 253,589.47
Main Office Administration.....	15,297.71
Total Expenditure on Forest Research.....	\$ 268,887.18
DISTRIBUTION OF EXPENDITURES	
Forest Research—Field Service.....	\$ 233,859.66
Forest Research—Main Office.....	33,204.48
Cost of Living Bonus (apportioned).....	1,823.04
	\$ 268,887.18

# TREND OF DEPARTMENTAL REVENUE

WATER POWER RENTALS  
CROWN LAND SALES & RENTALS  
PROVINCIAL LAND TAX

THOUSANDS  
OF DOLLARS

FOR THE FIVE YEARS  
ENDING 31 MARCH 1946

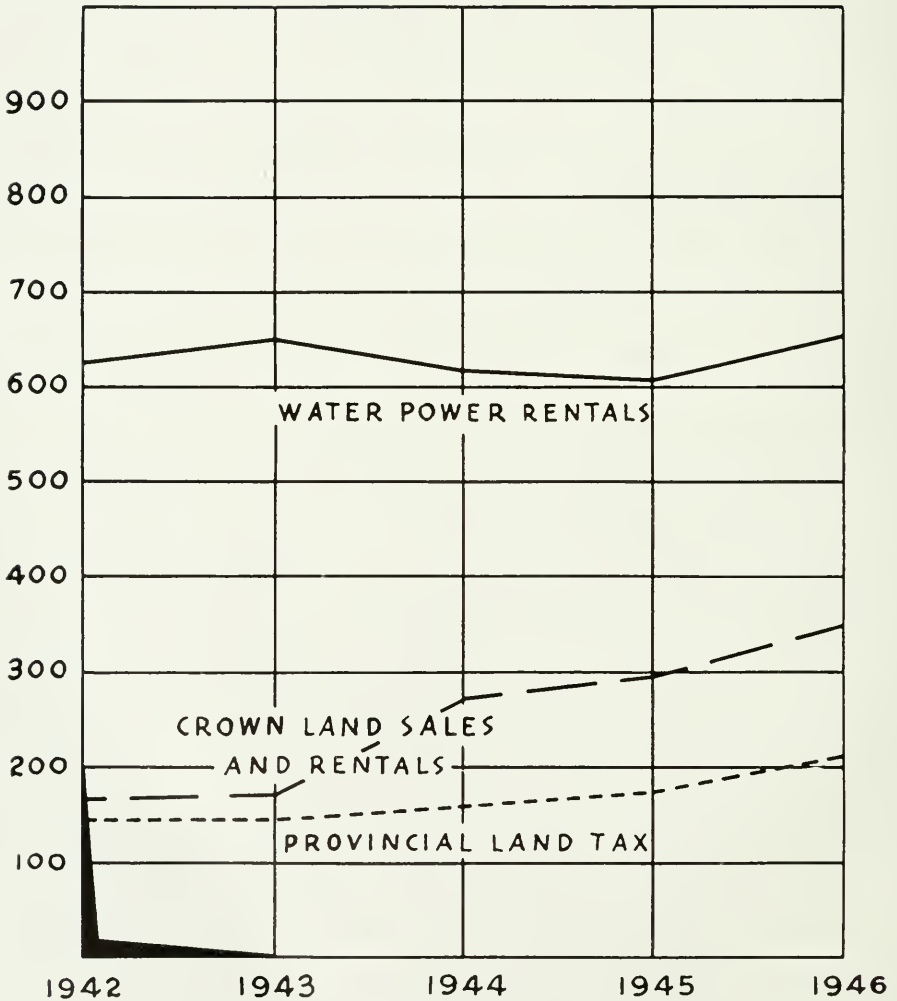


FIGURE 3

# TREND OF DEPARTMENTAL REVENUE

TIMBER RETURNS  
(CROWN DUES, GROUND RENT,  
AND FIRE TAX CHARGES)

MILLIONS  
OF DOLLARS

FOR THE FIVE YEARS  
ENDING 31 MARCH 1946

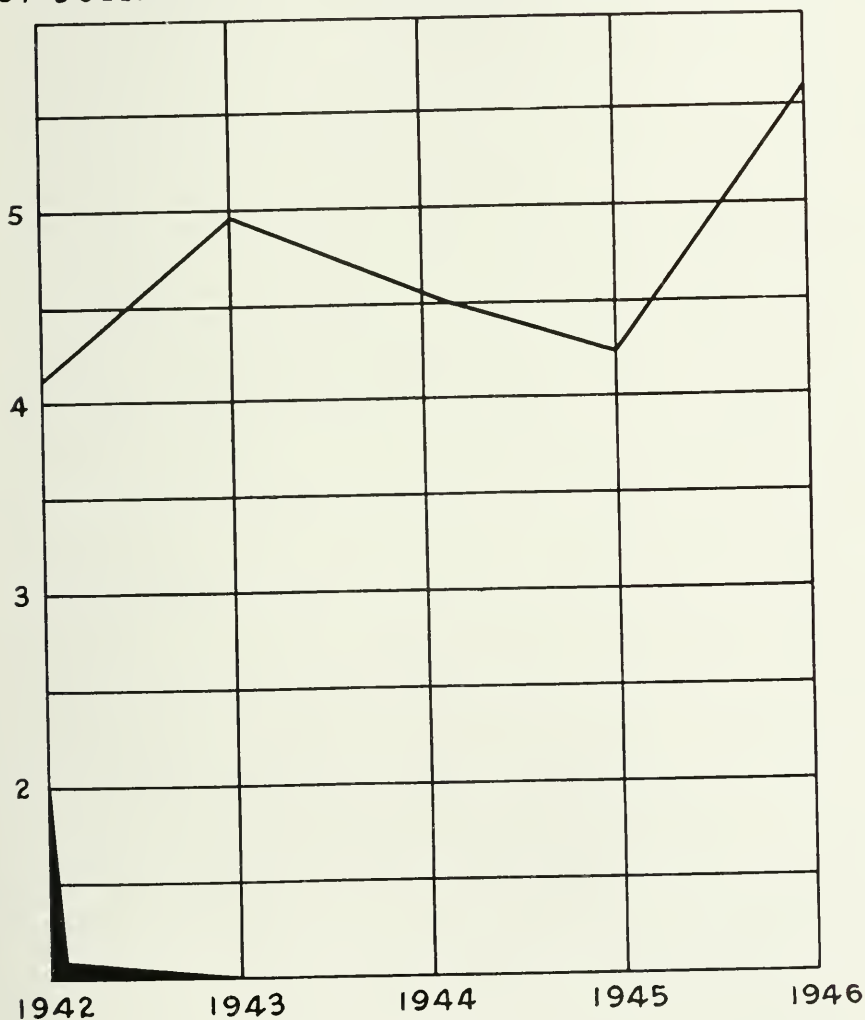


FIGURE 4

## Schedule E

DEPARTMENT OF LANDS AND FORESTS  
BASIC ORGANIZATION  
ANALYSIS OF EXPENDITURE BY DIVISIONS RESPONSIBLE  
SHOWING COST BY SERVICES,  
FOR YEAR ENDING MARCH 31, 1946

DIVISION	SERVICE	AMOUNT
Forest Protection	Fire Ranging .....	\$ 946,980.41
	Forest Ranger School .....	153,624.63
	Forest Insect Laboratory Building .....	175,476.36
		<hr/> \$1,276,081.40
Land and Recreational Areas	Administration and Inspections....	90,132.48
	Parks	
	—Algonquin .....	56,077.78
	—Quetico .....	17,401.57
	—Sibley .....	2,600.35
	—Lake Superior .....	2,466.74
	—Rondeau .....	16,956.22
	—Ipperwash .....	2,913.64
		<hr/> 188,548.78
Timber Management	Administration and Inspections....	101,940.22
	Management Surveys	
	—Cashel Township .....	210.16
	—Englehart River .....	3,935.13
	—Kirkwood Forest .....	14,579.93
	—Finlayson .....	4,360.19
	—Petawawa .....	3,339.79
		<hr/> 128,365.42
Operation and Personnel	Information and Education .....	19,251.29
	Storage Warehouse—Maple .....	14,570.40
		<hr/> 33,821.69
TOTAL—By Services—Exclusive of General Administration and Supervision ...		\$1,626,817.29
General Field Office Administration and Supervision .....		214,286.34
Sundry .....		537.62
TOTAL .....		<hr/> \$1,841,641.25

## Schedule F

DEPARTMENT OF LANDS AND FORESTS  
NET COST OF DIVISION OF AIR SERVICE CHARGEABLE TO  
FOREST PROTECTION DISTRICTS  
FOR YEAR ENDING MARCH 31, 1946

DIVISION OF AIR SERVICE		
Disbursements per Schedule A .....	\$	381,256.07
Receipts per Schedule A .....		25,284.13
		<hr/>
Net Cost of Division of Air Service .....	\$	355,971.94
The above costs have been charged to the following District Offices as additional costs of Forest Protection—		
Algonquin .....	\$21,638.18	
Fort Frances .....	23,358.32	
Geraldton .....	34,418.04	
Kapuskasing .....	14,959.02	
Kenora .....	27,477.76	
North Bay .....	28,037.47	
Port Arthur .....	44,276.35	
Sault Ste. Marie .....	45,276.35	
Sioux Lookout .....	78,873.55	
Sudbury .....	34,597.19	
Toronto (Headquarters Flights) .....	3,059.71	
	<hr/>	
TOTAL .....	\$	355,971.94

DEPARTMENT OF LANDS AND FORESTS  
DIVISION OF REFORESTATION—FIELD OPERATIONS  
ANALYSIS OF EXPENDITURE BY BRANCHES, SHOWING COST BY SERVICES  
For Year ending March 31, 1946

Schedule C

Branch	Services				
	Administration	Production	Extension	Projects	Total
Head Office.....	\$ 5,465.40	\$ 922.19	\$11,959.99	\$ 3,973.77	\$22,321.35
Angus Seed Plant.....	5,935.42	21,304.19	219.01	10,254.51	37,713.13
Chatham Zone.....	212.50	11.80	4,124.90	1,980.91	6,330.11
Galt Zone.....	591.08	13.99	6,764.08	2,905.18	10,274.33
Kempville Zone.....	386.04	549.78	7,510.27	9,664.04	18,110.13
Midhurst Nursery.....	7,371.39	40,596.88	217.11	13,797.29	61,982.67
Orono Nursery and Zone.....	5,831.37	46,143.90	322.61	14,261.86	66,559.74
Peterborough Zone.....	125.00	.....	1,960.48	.....	2,085.48
St. Williams Nursery and Zone.....	7,792.96	51,703.49	783.47	24,445.93	84,725.85
Toronto Zone.....	464.96	128.49	3,787.74	37,639.21	42,020.40
	\$34,176.12	\$161,374.71	\$37,649.66	\$118,922.70	\$352,123.19





AN AIRCRAFT OF THE DIVISION OF AIR SERVICE ABOUT TO TAKE OFF AT SUNSET



## DIVISION OF AIR SERVICE

*General*

The fire hazard prevailing through the summer of 1945 can be considered as a normal one. Wartime travel restrictions were still in effect, and the number of tourists, fishermen and hunters entering the Province was restricted by control of gasoline, rubber, and motor vehicles. There were few occasions throughout the fire fighting period when the Provincial Air Service was not able to meet the entire needs of the Department for aerial transportation.

The early part of May saw the culmination of our efforts to defeat Germany, and we were all very happy and grateful to see the termination of the war with Japan in the following August. Wartime restrictions on the use of aviation gasoline were still maintained however, and we were again compelled to do a lot of flying which could not be classed as other than commercial, in order to assist and expedite the operations of those engaged in developing and marketing the natural resources of the Province. These flights, as in former years, involved a certain amount of aerial survey work for timber and pulp wood operators, transportation of mining and diamond drilling equipment, searches for lost and missing persons, and insofar as was required, co-operation with all other Departments of the Ontario Government.

By virtue of our success in arms, the Air Raid Warning Service throughout Northern Ontario was reduced to a bare minimum, and we were not required to file flight plans covering the movement of all our aircraft on all operations, as had been the case in the preceding years.

*Equipment*

The defeat of Germany in the early part of the year, relieved some of the aircraft manufacturers of the wartime demands for their product. This applied particularly to Noorduyn Aviation at Montreal who were manufacturing an aircraft, which, although suitable for some military purposes, was more essentially a commercial aircraft, and during the summer of 1945, the Service took delivery of four more of the Norseman type. These were a very welcome addition to our transport fleet, since that part of our fleet had suffered heavily through the grounding and ultimate sale in the previous year, of our two all-metal Hamiltons. It is expected that the supply of commercial aircraft will not, from now on, be nearly as critical as it has been during the war period. It is quite reasonable to expect that many of the aircraft manufacturers who, for the past several years, have been engaged in the manufacture only of military types, will now direct their efforts to the design and construction of aircraft primarily suited to commercial purposes.

The supply of aircraft and engine repair parts has however, become extremely critical. At the outbreak of war, this Service stocked as large a supply of standard spare parts as it felt it was justified in doing, without interfering with the country's war effort. As additional parts were required, they were immediately ordered, but delay in delivery dates became worse and worse as the war progressed. It finally reached the point where we were unable to get certain parts except with high priority, and many items were obtainable only on six to eighteen months delivery. Because of this, we had to dip into our reserves. During the summer of 1944, these reserves were almost entirely exhausted, and we were almost wholly dependent on current supply, as and when it could be made available. For this reason much of our overhaul work was held up for extended periods, and it was only through the most careful foresight and anticipation of our needs that we were able to struggle through and have our entire fleet ready for operations at the opening of the 1945 fire season.

### *Winter Operations*

Normal winter operations were carried out at Algonquin Park as usual, and to this was added, for the second year, the operation of a Moth at Quetico Park, engaged in game patrols and the apprehension of poachers. The operations of this latter ship were particularly successful at the break-up in 1946, and several poaching outfits were captured in their entirety. The fact that an aeroplane was known to have been patrolling the Park area has apparently had a very deterring effect on the extent of poaching in this area, and the use of the aircraft in that direction has paid handsome dividends.

Two Norseman aircraft purchased in 1945 were transferred from seaplanes to land planes, and with pilots, were placed at the disposal of all Departments of Government at Toronto. This was the first year of such operations and more or less in the nature of an experiment. Although the ships were not used extensively, it is felt that there is a need for fast transportation out of Toronto, and it is altogether likely that the service will be further developed during the winter of 1946-47.

### *Maintenance and Improvements*

Normal maintenance of Service property and buildings was carried out as usual, and one new cottage for the accommodation of our operation staff was erected at Pickle Lake. A complete new base was built at South Porcupine, and Air Service operations from that point will be undertaken in the spring of 1946.

Our building program however, is lagging behind the needs of the Service. Partly because of shortage of materials, but primarily because of lack of funds, we were unable to undertake much of the construction work that is urgently required. We need additional living accommodation for our staff at Twin Lakes, Sudbury, Port Arthur, Oba Lake and Orient Bay, and extensive dock repairs are urgently required at Sudbury and Port Arthur. As Head Office decides that new bases shall be opened, these also must be undertaken, and it is hoped that availability of funds and materials will permit of our catching up this ever-increasing back-log at an early date.

Plans have been submitted to the Department of Public Works for a sizeable addition to the Air Service building at Sault Ste. Marie. Our present space is entirely inadequate to store our ever-increasing fleet. Last year we were compelled to rent storage space for four of our aircraft at Toronto.

### *Co-operation With Other Departments*

The usual assistance was accorded the Department of Entomology in their spruce budworm research. An agreement was effected with the Department of Health under which this Service will undertake to supply all emergency flying at the direction of that Department. The control of emergency flights thus comes under the immediate jurisdiction of the Department best qualified to pass on their necessity.

Co-operation was accorded the Division of Research, in the development of a set of floats from which water can be sprayed from the air at low altitudes. Since these drenching floats were not made available for test until the latter part of the summer, no conclusion can be reached as to their effectiveness, but it is hoped that during the fire season of 1946, sufficient use will be made of this device to either approve or disapprove its advantages or disadvantages.

### *Accidents*

I am very pleased to report that there were no serious accidents to any of our personnel during the period dealt with.

The following tables are submitted as supplementary to this Report:

*Tables*

Table No. 1—Allocation of aircraft.

Table No. 2—Transport aircraft—hours flown and effective loads carried.

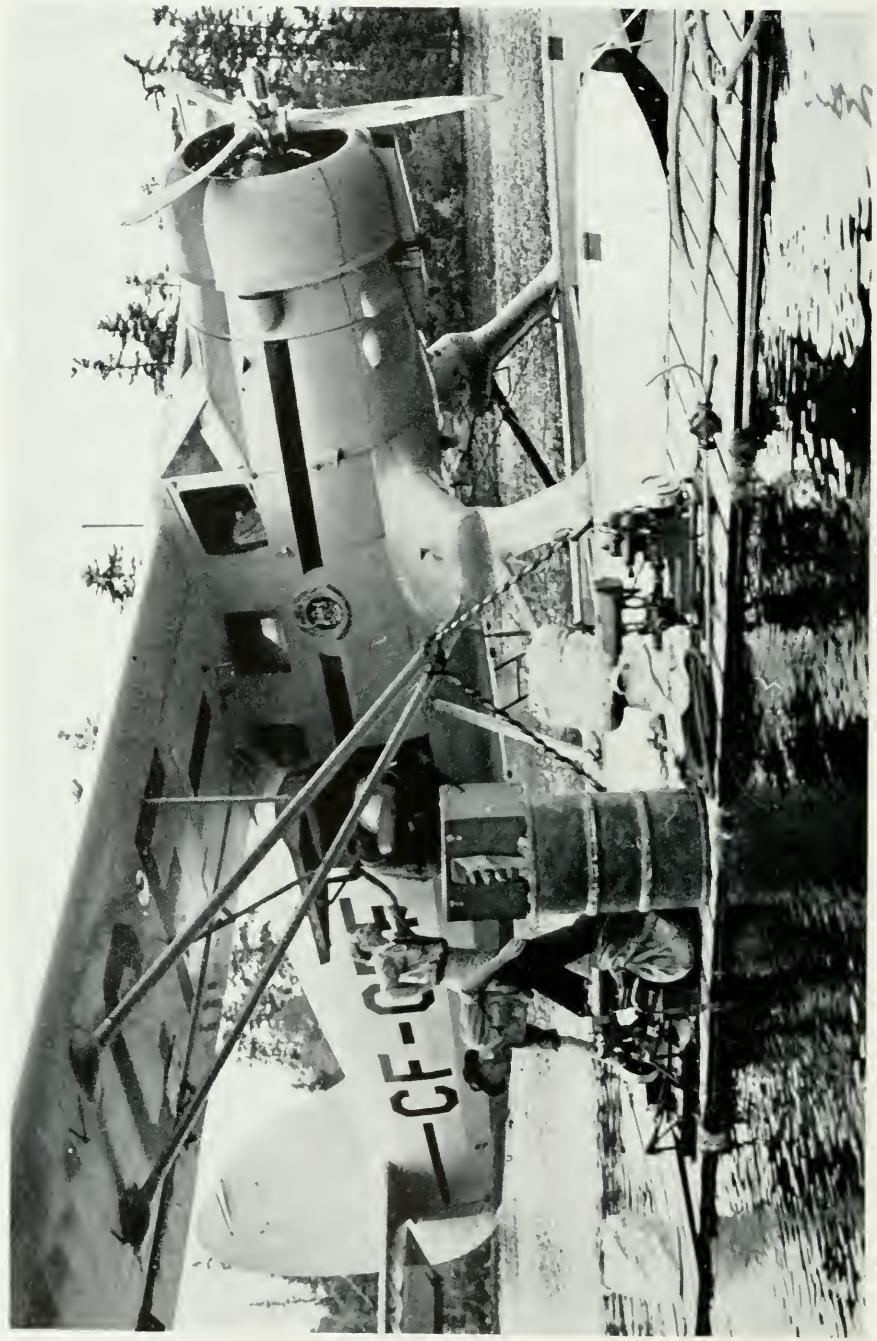
Table No. 3—Hours flown on various phases of flying operations.

Table No. 4—Totals.

Table No. 5—Flying time—Pilots—for the fiscal year ending March 31, 1946.

TABLE No. 1  
ALLOCATION OF AIRCRAFT  
1945-46

<i>Base</i>	<i>Registration</i>	<i>Type</i>
Algonquin Park.....	CF-BIM G-CAPB	Stinson Moth
Biscotasing.....	CF-OBF	Norseman
Caribou Lake.....	CF-OB1	Norseman
Fort Frances.....	CF-BGM	Stinson
Ignace.....	CF-OAV	Stinson
Kenora.....	CF-OB D	Norseman
Oba Lake.....	CF-OBH G-CAOZ	Norseman Moth
Orient Bay.....	CF-OBG	Norseman
Pays Plat.....	CF-OAW	Stinson
Port Arthur.....	CF-OBE	Norseman
Pickle Lake.....	CF-OAP	Fairchild 71C
Red Lake.....	CF-BGN	Stinson
Remi Lake.....	CF-BGJ	Stinson
Sault Ste. Marie.....	CF-OBA CF-OAY (Spare) G-CAPA (Spare)	Stinson Stinson Moth
Sioux Lookout.....	CF-OB B CF-OB C G-CAOU (Spare)	Stinson Norseman Moth
Sudbury.....	CF-BDQ	Waco
Timagami.....	CF-OB J	Norseman
Twin Lakes.....	CF-OAS CF-OAA G-CAOW	Buhl Moth Moth



LOADING A P.A.S. AIRCRAFT WITH FIRE-FIGHTING EQUIPMENT



TABLE No. 2

TRANSPORT AIRCRAFT—HOURS FLOWN AND EFFECTIVE LOADS CARRIED  
1945-46

AIRCRAFT		HOURS FLOWN	EFFECTIVE LOADS
Buhl	CF-OAQ	76.25	18,180 lbs.—9 tons, 180 lbs.
	CF-OAR	144.55	29,095 lbs.—14 tons, 1095 lbs.
	CF-OAS	359.45	197,288 lbs.—98 tons, 1288 lbs.
Fairchild 71-C	CF-OAP	220.55	120,264 lbs.—60 tons, 264 lbs.
Norseman	CF-OBC	147.10	89,550 lbs.—44 tons, 1550 lbs.
	CF-OBD	186.50	88,630 lbs.—44 tons, 630 lbs.
	CF-OBE	340.55	191,801 lbs.—95 tons, 1801 lbs.
	CF-OBF	316.40	367,425 lbs.—183 tons, 1425 lbs.
	CF-OBG	214.00	123,643 lbs.—61 tons, 1643 lbs.
	CF-OBH	172.40	108,125 lbs.—54 tons, 125 lbs.
	CF-OB I	135.00	74,795 lbs.—37 tons, 795 lbs.
	CF-OB J	94.20	75,305 lbs.—37 tons, 1305 lbs.
	CF-OB A	274.25	108,645 lbs.—54 tons, 645 lbs.
Stinson	CF-OB B	220.40	51,050 lbs.—25 tons, 1050 lbs.
	CF-BG J	420.20	159,764 lbs.—79 tons, 1764 lbs.
	CF-BG M	292.05	197,150 lbs.—98 tons, 1150 lbs.
	CF-BI M	330.30	101,624 lbs.—50 tons, 1624 lbs.
	CF-BG N	271.50	119,745 lbs.—59 tons, 1745 lbs.
	CF-OA V	167.15	56,040 lbs.—28 tons, 40 lbs.
	CF-OA W	348.45	313,796 lbs.—156 tons, 1796 lbs.
	CF-OA Y	169.55	68,553 lbs.—34 tons, 553 lbs.
Waco	CF-BD Q	252.40	97,890 lbs.—48 tons, 1890 lbs.

TOTAL TRANSPORT SECTION:—

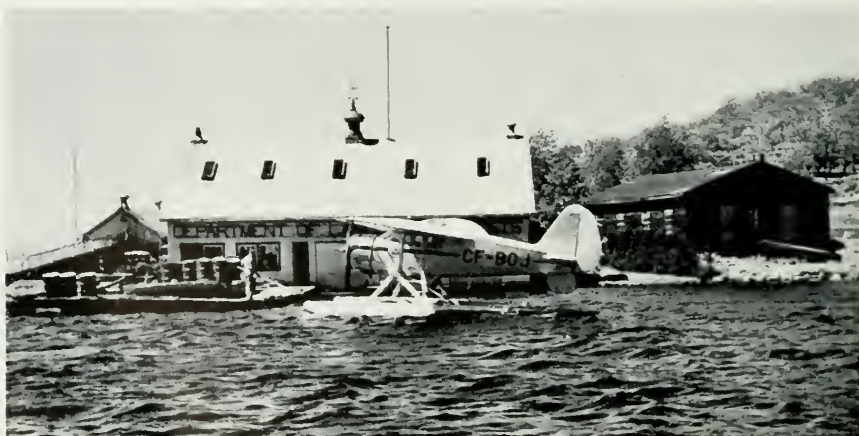
Total Flying Time	Hours	5,158.00
Total Loading	Lbs.	2,758,358
Total Loading	Tons	1,379 tons, 358 lbs.

TABLE No. 3  
HOURS FLOWN ON VARIOUS PHASES OF FLYING OPERATIONS

	1924-45	1945-46	Total
Fire Detection.....	41,652.10	831.30	42,483.40
Game Conservation.....	288.35	128.25	417.00
Fire Suppression.....	34,044.16	771.00	34,815.16
Photography.....	1,404.15	.....	1,404.15
Sketching.....	3,665.33	198.20	3,863.53
Transportation—Ordinary.....	34,473.40	2,909.30	37,383.10
Transportation—Special.....	6,516.17	589.20	7,105.37
Mercy Flights.....	271.12	4.05	275.17
Ferrying.....	6,077.52	249.45	6,327.37
Forced Landings.....	910.49	5.35	916.24
Flying Instructions.....	2,945.52	16.55	2,962.47
Observers Instruction.....	94.09	.....	94.09
Operations.....	5,371.48	93.05	5,464.53
Tests—Aircraft.....	1,475.42	49.15	1,524.57
Dusting Operations.....	41.35	.....	41.35
Tests—Wireless.....	69.10	.....	69.10
Tests—Radio.....	14.30	.....	14.30
Department of Entomology.....	.....	99.45	99.45
Department of Research.....	.....	99.30	99.30
	139,317.25	6,046.00	145,363.25

TABLE No. 4  
TOTALS

	1924-45	1945-46	Total
Passengers Carried.....	92,329	10,841	103,170
Personnel Carried.....	72,992	2,962	75,954
Total Passengers and Personnel Carried.....	165,321	13,803	179,124
Effective Loads Flown, Lbs.....	34,801,141	2,845,053	37,646,194
Effective Loads Flown, Tons.....	17,400T	1,422T	18,823T
	1,141 lbs.	1,053 lbs.	194 lbs.



TAXIING INTO THE DOCK AT PARRY SOUND



OVERHAULING A P.A.S. AIRCRAFT AT SAULT STE. MARIE





WEARY FIRE-FIGHTERS REST AFTER A LONG HIKE THROUGH THE BUSH TO THEIR  
AIRCRAFT AT LARDER LAKE



TABLE NO. 5  
FLYING TIME—PILOTS  
For the fiscal year ending March 31, 1946.

Pilots	Hours Flown
Burt, A. E.....	291.35
Buckworth, W.B.....	351.25
Burton, E. C.....	273.30
Charity, G. E.....	353.15
Crossley, C. C.....	283.50
Culliton, J. P.....	162.00
Denley, J. G.....	249.35
Donnelley, J. T.....	189.45
Fiskar, U. W.....	164.35
Gillard, M. V.....	80.45
Harvey, A. L.....	.....
Kincaid, J.....	240.45
Kingdon, O. F.....	185.50
LeFevre, C. J.....	409.20
MacDougall, F. A.....	88.35
MacMillan, C. A.....	353.30
Ponsford, G. E.....	32.00
Pipe, J. T.....	180.25
Parsons, R.....	316.40
Phillips, G. H. R.....	297.35
Poulin, L. D.....	403.10
Reid, D. M.....	110.20
Smith, A. B.....	245.25
Siegel, J.....	139.20
Speight, H. C.....	166.30
Trussler, G. E.....	201.25
Taylor, J. M.....	.....
Delahey, G.....	.....
Noorduyn Pilots.....	9.15
Woodside, T.....	265.40
Total.....	6046.00



PILOT BOYDE SMITH OF SUDBURY UNLOADS HIS AIRCRAFT AT SKEAD HEADQUARTERS



EIGHTY PERCENT OF FOREST FIRES OCCURRING IN ONTARIO ARE CAUSED BY  
HUMAN CARELESSNESS

## DIVISION OF FOREST PROTECTION

## FIRE AND HAZARD CONDITIONS

Warm weather during the latter part of March brought on an early hazard which extended to the middle of April. The early summer hazard was only medium, but a high hazard developed in the eastern Districts the latter part of July, and continued until the middle of August. During the remainder of the summer and fall, the hazard was low.

On the whole, the season was a moderate one, the number of fires and the area burned over being well below the average for the past ten years.

## LEGISLATION

Bill No. 98, revising the Forest Fires Prevention Act, was passed at the recent session of the Legislature.

No other legislation pertaining to Forest Protection was enacted this year.

The Black Sturgeon Limit of the Great Lakes Paper Co. Ltd., and all that area lying adjacent to the Black Sturgeon Road, commencing at Hurkett in the District of Thunder Bay, was closed to travel for a short period in the middle of June, due to the high fire hazard prevailing in that area at that time.

Due to hazardous conditions throughout the Province towards the middle of October, the close season for setting out fire in the Fire District was extended to November 5th.

By Order-in-Council dated October 16th, 1945, the travel permit area was extended to include all that part of the Township of Baldwin in the District of Sudbury lying north of Highway No. 17.

There were 15 prosecutions under the Forest Fires Prevention Act, 13 resulting in conviction, and 2 in acquittal.

## ORGANIZATION

On July 16th, 1945, Mr. C. R. Mills returned from military service to resume the position of Chief, Division of Forest Protection.

Effective February 1st, 1946, the Townships of Newmarket and Aurora were transferred from Swastika Division to Cochrane Division, and the Townships of McCart, Calvert, Clergue, and Walker were transferred from Swastika Division to Timmins Division.

In February, protection activities in Geraldton District were extended northerly to include an area of about 1,000,000 acres, in which logging and mining operations are becoming active.

The fire ranging staff was again augmented during the months of July and August by some ninety high school students. These were sent to the six most southerly Districts from the towns and cities of Southern Ontario, and fifteen boys in Port Arthur District from the schools of that region. These boys rendered valuable service in improvement work, and on fire suppression.

## EQUIPMENT

Three D4 Caterpillar tractors were purchased this year, along with the usual replacements of trucks, pumps, hose, blankets, etc. Supplies were still very short, and difficulty was experienced in securing sufficient equipment to maintain the present establishment of the Department.

## PERMANENT IMPROVEMENTS

No steel lookout towers were erected in 1945. Some necessary buildings and telephone lines were constructed, and the construction of buildings at the Forest Ranger School was continued. The buildings erected to date were a

dormitory, a combined dining hall and kitchen, and a power house. Distribution lines for steam and water have also been installed.

*Total Improvements Completed to March 31, 1946*

Cabins.....	538
Storehouses.....	144
Boathouses.....	59
Combined Storehouses and Boathouses.....	27
Bunkhouses.....	63
Offices.....	32
Garages and Car Houses.....	87
Other Buildings.....	213
Hose Towers.....	53
Wooden Lookout Towers.....	63
Steel Lookout Towers.....	227
Telephone Lines (miles).....	4,455

RADIO COMMUNICATIONS

*Radio Sets in Use 1945*

District	Tower Sets	P'tb'le Sets	Boat Sets	Pack Sets	Model 30	Model 300	Misc.	Air- craft	Total
Sioux Lookout.....	14	1		1	5	2		4	27
Kenora.....	14	1			1	1		2	19
Ft. Frances.....	11				5			1	17
Port Arthur.....	15	1	1		3	2	3	2	27
Geraldton.....	8				2	1		1	12
Kapuskasing.....	9				2			1	12
Cochrane.....	14				1			1	16
S. S. Marie.....	27	4			3	1		2	37
Sudbury.....	34	3			2			1	40
North Bay.....	21	7	1		1			1	31
Algonquin.....	4								4
Head Office.....			4	5	1				10
TOTAL.....	171	17	6	6	26	7	3	16	252

*Radio Equipped Aircraft*

CF-OAV—Kenora District  
 CF-OAW—Geraldton District  
 CF-OAY—Cochrane District  
 CF-OBA—Sault Ste. Marie District  
 CF-OBG—Sioux Lookout District  
 CF-BGJ—Kapuskasing District  
 CF-BGM—Fort Frances District  
 CF-BGN—Sioux Lookout District  
 CF-OBC—Sioux Lookout District  
 CF-OBG—Kenora District  
 CF-OBE—Port Arthur District  
 CF-OBF—Sudbury District  
 CF-OBG—Port Arthur District  
 CF-OBH—Sault Ste. Marie District  
 CF-OBG—Sioux Lookout District  
 CF-OBH—North Bay District





CARIBOU FIRE TOWER—TIMAGAMI



REPAIRING TELEPHONE LINES DAMAGED BY THUNDERSTORM

Six Model 30 four-frequency transmitters were built in the Department's workshop, with distribution as follows:

North Bay District—1 unit  
Cochrane District—1 unit  
Sioux Lookout District—3 units  
Port Arthur District—1 unit

Twelve all-wave communication receivers were also purchased for use with the above transmitters.

#### HAZARD DISPOSAL

Slash disposal was carried out along the Connaught-Frederick House Dam road in Cochrane District, for which the Hydro-Electric Power Commission reimbursed the Department.

The usual maintenance work was carried out on Kirkwood Forest fire guards.

#### INSECT CONTROL

The Forestry Insect Laboratory at Sault Ste. Marie, construction of which was started during the previous fiscal year, was completed and placed in operation. The building was turned over to the Administration of the Department of Agriculture, Canada, under agreement with the Department of Lands and Forests of Ontario. By this agreement, the Department of Agriculture, Canada, undertakes to equip and staff the Laboratory, and to carry on all research and investigative work in forest entomology and insect control measures. The Department of Lands and Forests of Ontario undertakes the construction and maintenance of the laboratory building, and to carry out all direct forest insect control measures. At the end of the fiscal year, the agreement with the Dominion was in full operation.

During the year, the Department of Agriculture, Canada, assumed complete control and responsibility of the forest insect survey.

Direct measures for the control of the spruce budworm were continued with a program of spraying with D.D.T., from aircraft, an area west of Lake Nipigon in the Thunder Bay area.

#### EXPENDITURES

The total expenditure on fire ranging for the year, excluding cost of Administration and the Provincial Air Service, was \$1,180,710.30. The amount of fire tax collected from woods operations was \$419,322.89. Miscellaneous revenue amounted to \$30,942.78.

Cost of living bonus was paid for the past five years, but was charged to a separate appropriation, and is not included in the table of classified expenditures.

## INDEX OF TABLES

<i>Table No.</i>		<i>Page</i>
1	Number of men on duty, including chief and deputy chief rangers.....	38
2	Classification of expenditures.....	39
3	Classification of forest fires, by month.....	39
4	Classification of forest fires, by origin.....	41
5	Classification of forest fires, by size.....	42
6	Classification of area burned over, by month.....	43
7	Classification of area burned over, by origin.....	44
8	Classification of forest areas burned over, by forest type.....	45
9	Classification of land burned over, by ownership.....	46
10	Major equipment purchased and in use.....	49
11	Statement of travel permits issued.....	50
12	Statement of work permits issued.....	52
13	Statement of fire permits issued.....	53
14	Means of fire detection.....	53
15	Fire damage table.....	54

TABLE NO. 1

NUMBER OF MEN ON DUTY INCLUDING CHIEF AND DEPUTY  
CHIEF RANGERS

	1945	1944	1943	1942	1941	1940	1939
April 1st.....	145	162	128	113	94	82	88
April 15th.....	309	169	141	141	129	116	115
May 1st.....	596	477	264	633	461	362	258
May 15th.....	720	718	559	896	791	709	762
June 1st.....	740	923	856	1053	1009	1025	1074
June 15th.....	896	964	918	1095	1072	1080	1114
July 1st.....	840	947	964	1118	1081	1088	1140
July 15th.....	877	958	960	1147	1084	1092	1141
Aug. 1st.....	885	873	999	1086	1095	1093	1142
Aug. 15th.....	890	871	993	1072	1085	1094	1139
Sept. 1st.....	783	646	843	909	941	1022	1082
Sept. 15th.....	691	468	677	747	739	783	838
Oct. 1st.....	329	267	413	411	380	477	335
Oct. 15th.....	262	233	396	329	232	336	220
Oct. 31st.....	212	207	210	193	158	192	190



TABLE NO. 2

## CLASSIFICATION OF EXPENDITURES

Item	1945-46	1944-45	1943-44
Salaries—Permanent.....	\$ 115,132.94	\$ 133,945.87	\$ 118,562.45
Temporary.....	568,639.60	554,121.33	529,115.82
Total Salaries.....	683,772.54	688,067.20	647,678.27
Travelling Expenses.....	26,561.71	28,446.10	25,923.34
Stationery and Printing.....	1,389.62	902.22	2,323.92
Telephone, Telegraph and Postage.....	8,469.00	8,512.54	8,216.26
Express, Freight and Cartage.....	3,485.48	4,039.73	4,101.39
Rent.....	2,094.00	1,987.00	2,076.61
Gasoline and Oil.....	35,014.04	37,711.01	33,392.75
Maintenance of Equipment.....	85,282.63	86,586.77	73,172.38
Equipment—General.....	12,993.49	30,065.43	13,796.61
Special.....	27,086.10	124,022.20	129,095.97
Improvements.....	54,316.50	33,171.81	33,933.31
Provisions.....	4,642.16	6,453.98	8,657.11
Miscellaneous.....	1,873.14	2,151.88	2,242.99
	946,980.41	1,052,097.87	984,610.91
Extra Fire Fighting.....	233,729.89	247,581.70	74,469.15
Total Expenditures.....	1,180,710.30	1,299,679.57	1,059,080.06

TABLE NO. 3

## CLASSIFICATION OF FOREST FIRES

By Month

Month	1945		1944		1943		1942		1941		1940		1939	
	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent
March...	15	1.8												
April....	134	13.8	128	11.2	15	2.4	286	23.3	85	6.7	103	10.2	13	1.3
May.....	182	18.8	352	30.8	188	30.7	102	8.3	398	31.5	122	12.0	169	17.6
June....	121	12.7	112	8.8	33	5.2	137	11.4	273	21.6	112	11.0	115	12.0
July....	160	16.5	253	20.2	96	15.3	235	19.3	331	26.2	227	22.4	402	41.8
August..	318	32.9	233	23.9	86	13.7	287	23.4	124	9.9	282	27.8	214	22.3
Sept....	26	2.6	16	1.4	20	3.2	61	4.9	52	4.1	108	10.7	42	4.4
Oct.....	9	.9	37	3.2	186	29.5	116	9.4	2	.....	60	5.9	6	0.6
Nov.....	1	.....	6	0.5										
Totals...	966	100.0	1,137	100.0	624	100.0	1,224	100.0	1,265	100.0	1,014	100.0	961	100.0



PACKING EQUIPMENT INTO FIRE AREA AT THE LARDER LAKE FIRE

TABLE No. 4  
CLASSIFICATION OF FOREST FIRES  
By Origin

Origin	1945		1944		1943		1942		1941		1940		1939	
	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent
Settlers.....	44	4.5	96	8.4	55	8.8	114	9.3	103	8.2	61	6.3	54	5.6
Campers.....	289	29.9	247	21.7	187	29.9	296	24.4	271	21.4	339	33.4	325	33.8
Railways.....	163	16.8	218	19.8	82	13.2	143	11.6	81	6.4	24	2.4	29	3.0
Lightning.....	121	12.6	185	16.2	100	16.0	195	15.9	278	22.0	212	20.9	190	19.8
Logging Operations.....	32	3.4	37	3.2	26	4.2	31	2.8	45	3.6	23	2.3	17	1.8
Mining Operations.....	3	0.3	1		3	0.5	3	0.2	2		5	0.5	3	0.3
Smokers.....	231	23.9	243	21.3	132	21.3	243	19.8	219	17.3	179	17.6	162	16.8
Road Construction.....	4	0.1	4	0.3	5	0.8	8	0.6	20	1.6	12	1.2	17	1.8
Incendiary.....	8	0.8	23	2.0	4	0.6	13	1.0	23	1.8	34	3.3	87	9.1
Prospectors.....	3	0.3	2	0.1	1	0.1	3	0.3	3	0.2	2	0.2	5	0.5
Miscellaneous.....	36	3.7	55	4.8	25	4.0	56	4.6	60	4.8	30	3.0	19	2.0
Unknown.....	32	3.4	26	2.2	4	0.6	116	9.5	160	12.7	90	8.9	53	5.5
Totals.....	966	100.0	1,137	100.0	624	100.0	1,224	100.0	1,265	100.0	1,014	100.0	961	100.0

TABLE NO. 5  
CLASSIFICATION OF FOREST FIRES  
By Size

Size	1915		1944		1943		1942		1941		1940		1939	
	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent	No.	Per Cent
1/4 Acre and under.....	211	21.8	241	22.1	155	24.8	276	22.5	278	22.0	224	22.1	296	30.8
Over 1/4 to 5 acres.....	457	47.4	519	45.6	237	37.9	487	39.7	506	40.0	441	43.5	459	47.8
Over 5 to 10 acres.....	75	7.7	93	8.3	58	9.2	97	7.9	94	7.4	99	9.7	64	6.7
Over 10 to 100 acres.....	159	16.6	211	18.5	108	17.4	244	19.9	235	18.6	170	16.8	113	11.7
Over 100 to 500 acres.....	13	4.4	47	3.4	41	6.5	86	7.2	89	7.0	56	5.5	23	2.4
Over 500 to 1,000 acres.....	11	1.1	7	0.6	15	2.5	20	1.6	23	1.8	10	1.0	3	0.3
Over 1,000 to 10,000 acres..	10	1.0	17	1.4	10	1.7	13	1.2	32	2.5	10	1.0	2	0.2
Over 10,000 acres.....	.....	.....	2	0.1	.....	.....	1	.....	8	0.7	4	0.4	1	0.1
Totals.....	966	100.0	1,137	100.0	624	100.0	1,224	100.0	1,265	100.0	1,014	100.0	961	100.0



TABLE NO. 6

## CLASSIFICATION OF AREA BURNED OVER—1945

By Month

District	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Total
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
Sioux Lookout.....			366	100	400	599	13			1,478
Kenora.....			651	248		65	1	2		967
Fort Frances.....		2	92	9		4	7	9		123
Port Arthur.....		44	5,006	725	529	1,393	2	74		7,773
Geraldton.....		1	85	2,511	1	26				2,624
Kapuskasing.....			217	17		200				434
Cochrane.....		6	54	2	12	124				198
North Bay.....	2	1,106	107	84	42	333				1,674
Sudbury.....	82	4,985	4,129	313	1,122	10,244	8			20,883
Sault Ste. Marie.....	58	216	1,447	374	319	560	7			2,981
Parry Sound.....	299	327	16	4	5,936	2,548		80		9,140
Algonquin.....		34	1	2	14	88	1			140
Tweed.....	2	67			4	2			20	95
Totals.....	373	6,788	12,171	4,389	8,379	16,186	39	165	20	48,510



LOADING PLANE WITH SUPPLIES TO FIGHT FIRE AT LADY EVELYN LAKE

TABLE No. 7  
CLASSIFICATION OF AREA BURNED OVER—1945  
By Origin

Districts	Settlers Acres	Campers Acres	Rail- ways Acres	Light- ning Acres	Log- ging Acres	Mining Acres	Smokers Acres	Road Con- struc- tion	Incen- diary Acres	Pros- pectors Acres	Miscel- laneous Acres	Un- known Acres	Total Acres
Sioux Lookout.....		680	424	112	3	5	193		2	3	5	51	1,478
Kenora.....	152	62	588	10			85		70				967
Fort Frances.....		7	4	8			75					29	123
Port Arthur.....	61	2,373	170	11	2,475		2,166			8	6		7,773
Geraldton.....	2	27	65	700	1,813		14	1				2	2,624
Kapuskasing.....	1	1	85		321							26	434
Cochrane.....	10	13	3	70	30		16		1	2		20	198
North Bay.....	54	702	26	85	12		730				41	24	1,674
Sudbury.....	1,118	5,316	254	90	800	3	10,750		48	2	2,432	70	20,883
Sault Ste. Marie.....	7	141	1,393	312	332		741				55		2,981
Parry Sound.....	379	8,303	122	27	1		280		10		18		9,140
Algonguin.....	2	4	14	92			28						140
Tweed.....		73	16		2		1						95
Totals.....	1,789	17,902	3,164	1,517	5,789	8	15,412	1	134	15	2,557	222	48,540

TABLE No. 8  
CLASSIFICATION OF FOREST AREAS BURNED OVER—1945  
By Forest Type

Districts	No. of Fires	1C	1H	2C	2H	3C	3H	Slash Not re- stocking	5 Old Burn Not re- stocking	6 Muskeg	7 Barren	8 Grass	Total (Acres)
		Mature Coni- ferous	Growth Hard- wood	Second Coni- ferous	Growth Hard- wood	Young Coni- ferous	Growth Hard- wood						
Sioux Lookout . . . . .	77	211	.....	120	33	487	13	162	320	.....	122	10	1,178
Kenora . . . . .	42	25	10	114	110	347	210	47	9	1	51	43	967
Fort Frances . . . . .	19	3	.....	7	15	7	2	9	.....	1	50	29	123
Port Arthur . . . . .	115	869	67	54	31	237	429	2,151	282	189	30	3,431	7,773
Geraldton . . . . .	34	906	386	160	72	202	97	90	700	1	.....	10	2,624
Kapuskasing . . . . .	15	11	.....	2	.....	.....	.....	420	.....	.....	1	.....	434
Cochrane . . . . .	57	25	.....	71	.....	32	.....	37	18	8	.....	3	198
Sault Ste. Marie . . . . .	93	184	7	145	119	579	275	611	494	17	126	424	2,981
Sudbury . . . . .	232	373	130	380	757	1,054	1,664	2,238	7,383	1,379	3,047	2,478	20,883
North Bay . . . . .	81	95	3	130	83	227	240	29	543	50	13	261	1,674
Parry Sound . . . . .	132	1,903	2	1,481	158	1,705	1,601	96	167	121	1,325	581	9,140
Algonquin . . . . .	43	3	.....	15	13	4	94	.....	.....	3	.....	8	140
Tweed . . . . .	23	.....	.....	11	7	1	23	1	.....	4	22	26	95
Totals . . . . .	996	4,608	605	2,690	1,398	4,882	4,648	5,894	9,916	1,774	4,791	7,304	48,510
1944—Totals . . . . .	1,137	9,981	3,255	50,564	9,565	9,158	10,546	47,849	14,043	2,816	6,125	4,989	168,891
1943—Totals . . . . .	624	3,968	3,100	3,213	4,624	7,824	12,211	8,450	5,746	181	651	2,846	52,817
1942—Totals . . . . .	1,224	32,157	2,083	14,336	4,010	7,313	9,171	8,993	24,164	2,172	3,361	5,956	113,716
1941—Totals . . . . .	1,265	221,362	50,793	33,035	20,702	55,690	22,341	150,422	86,837	10,469	5,257	9,639	666,547
1940—Totals . . . . .	1,014	11,588	1,809	23,130	5,678	29,661	6,719	17,574	20,354	1,346	903	2,852	121,614
1939—Totals . . . . .	961	3,807	575	2,542	352	1,892	956	3,087	8,363	187	6,649	688	29,098

TABLE No. 9

## CLASSIFICATION OF LAND BURNED OVER—1945

By Ownership

District	Crown Land	Private Land	Totals	
	Area in Acres	Area in Acres	No. of Fires	Area in Acres
Sioux Lookout.....	1,443	35	77	1,478
Kenora.....	669	298	42	967
Fort Frances.....	21	102	19	123
Port Arthur.....	811	6,962	115	7,773
Geraldton.....	50	2,574	34	2,624
Kapuskasing.....	322	112	15	434
Cochrane.....	164	34	57	198
North Bay.....	697	977	84	1,674
Sudbury.....	5,554	15,329	232	20,883
Sault Ste. Marie.....	2,306	675	93	2,981
Parry Sound.....	5,760	3,380	132	9,140
Algonquin.....	125	15	43	140
Tweed.....	75	20	23	95
Totals.....	17,997	30,513	966	48,510

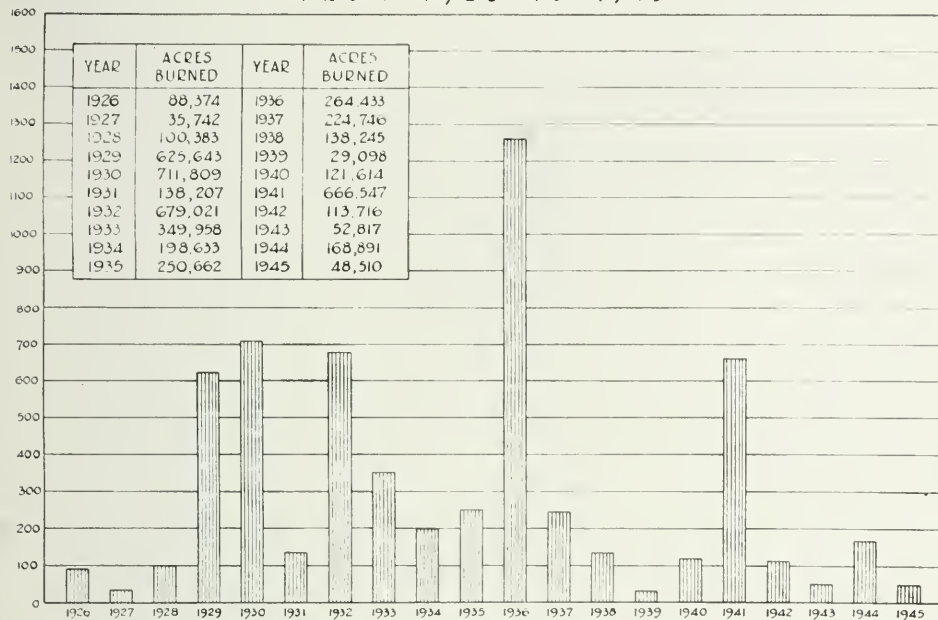


HANGING FIRE HOSE TO DRY AFTER A FIRE



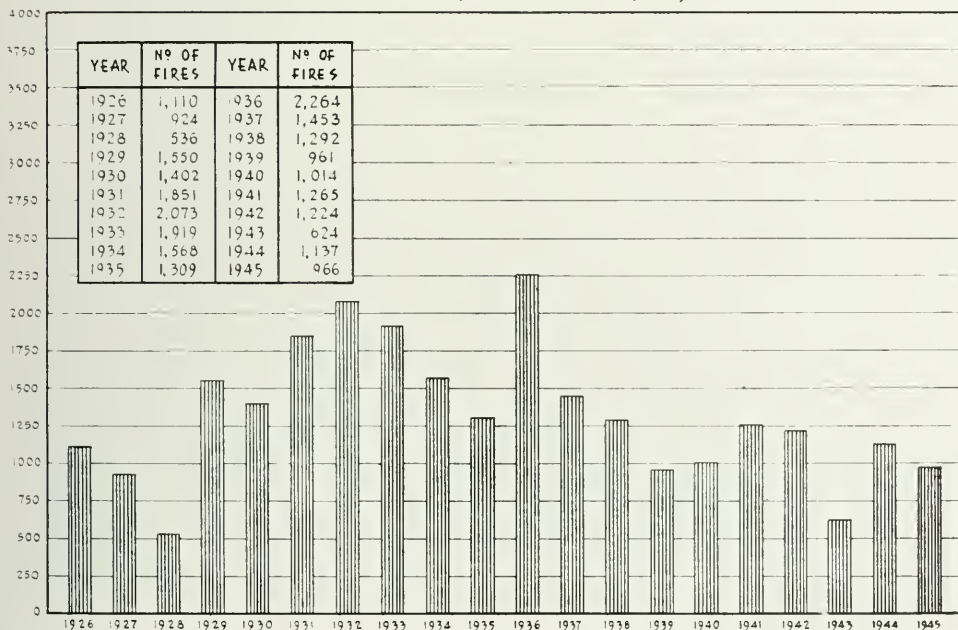
## ACREAGE BURNED BY FOREST FIRES IN ONTARIO

FROM 1926 TO 1945

THOUSANDS  
OF ACRES

## FOREST FIRES IN ONTARIO

FROM 1926 TO 1945

NUMBER  
OF FIRES



HOSE DRYING TOWER AT LATCHFORD

TABLE No. 10  
MAJOR EQUIPMENT PURCHASED AND IN USE

District	Portable Hand Pumps		Fire Fighting Units		Fire Fighting Hose (in feet)		Tents		Blankets (pairs)		Canoes		Motor Boats		Auto Trucks		Railway Motor Cars		Velo- pedes		Out-board Motors		Binoculars	
	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use	Purchased 1945	Total now in use
Sioux Lookout...		376	3	101	20000	315900		134	117	1190	102				6		2		10		27			3
Kenora...		227	4	74		215900		100	34	1048	82				5	10			1		34			11
Fort Frances...		69		35		104500		45	77	455	6				3	1			1		26			11
Port Arthur...	100	260	2	90		226300	3	119	200	1281	67				3	11			2		4			8
Kapuskasing...	10	362	4	38	1000	78400	1	68	30	361	1	44			3	10			18		5			16
Cochrane...	2	632	5	56		127400		13		681	2	58			5	1			16		16			5
Sault Ste. Marie...	42	336	2	59	1000	153000	2	149		1254	3	88			1	3			7		2			18
Sudbury...	20	320	84	84	7000	174800	4	247	112	1625	186				6	12			1		31			32
North Bay...		217	1	50	3000	128700 <sup>1</sup>		147		1029	1	97			3	1			9		1			11
Parry Sound...		109	1	23	50000	47900		28		342	17		1		2	12			5		2			12
Algonquin...	24	177		26	4000	76400	14	64	276	965	74				1	3			3		21			1
Tweed...	13	181	3	11		20900	1	21	12	237	28				1	1			1		1			16
Geraldton...	50	390	16	63	41000	168000	3	101		683	3				3	3			2		6			2
Head Office...								1																
Totals...	267	3656	41	710	127000	1838100 <sup>1/2</sup>	28	1267	858	11151	20	977	1	48	25	140	2	49	73		27	265	1	167

TABLE NO. 11  
STATEMENT OF TRAVEL PERMITS ISSUED

District	1945		1944		1943		1942		1941		1940		1939	
	Permits	Persons	Permits	Persons	Permits	Persons	Permits	Persons	Permits	Persons	Permits	Persons	Permits	Persons
Sionx														
Lookout...	570	1,642	510	1,923	373	1,278	662	2,225	1,107	3,175	1,185	3,796	1,073	3,222
Kenora...	834	3,119	541	2,427	493	1,298	50	178	68	234	66	269	106	391
Fort Frances	312	1,639	491	1,463	135	506	267	861	381	1,377	251	1,078	486	1,031
Port Arthur	2	2	5	5	40	60	12	12	84	155	55	113	217	530
Geraldton...	15	103	43	92	51	113	100	222	84	155	55	113	217	530
Kapuskasing	3,681	16,698	1,472	6,535	1,026	4,974	1,012	1,502	1,091	3,549	1,045	3,060	1,312	3,992
Cochrane...														
Sault Ste. Marie...	1,843	6,027	1,087	3,680	926	2,970	1,478	4,674	2,707	8,402	1,982	6,320	1,890	5,947
Sudbury and Chapleau	1,370	4,544	1,077	3,191	897	2,813	1,270	3,908	1,482	4,848	1,524	4,990	2,222	5,446
North Bay	2,167	6,507	1,851	6,399	1,543	5,505	2,438	4,919	3,128	10,677	3,787	13,066	4,073	15,634
Parry Sound	9,569	29,804	6,430	15,854	5,520	9,020	1,069	3,224	1,305	3,988	261	658	1,328	4,253
Algonquin...														
Tweed...														
Totals...	20,393	70,085	13,510	41,569	11,001	28,567	8,358	24,725	11,353	36,315	10,162	33,350	12,507	40,446





INSPECTING AND VULCANIZING FIRE HOSE AT LATCHFORD

TABLE No. 12  
STATEMENT OF WORK PERMITS ISSUED 1945-46

District	Mining Operations		Woods Operations		Miscellaneous Operations		Totals	
	No. of Permits	Men Engaged	No. of Permits	Men Engaged	No. of Permits	Men Engaged	No. of Permits	Men Engaged
Sioux Lookout.....	205	4,051	17	1,693	1	25	223	2,769
Kenora.....	35	100	76	1,272	9	18	120	1,390
Fort Frances.....	27	102	18	620	..	..	45	722
Port Arthur.....	35	181	85	6,630	6	355	126	7,166
Geraldton.....	46	208	47	3,385	7	95	100	3,688
Kapuskasing.....	13	77	56	4,828	..	..	69	4,905
Cochrane.....	483	2,226	344	5,958	22	496	849	8,680
Sault Ste. Marie.....	38	575	68	4,507	1	32	110	5,114
Sudbury.....	127	1,156	231	2,764	3	50	361	3,970
North Bay.....	185	860	314	4,368	..	..	499	5,228
Parry Sound.....	4	15	68	1,400	3	20	75	1,435
Algonquin.....	3	10	78	1,050	10	10	91	1,070
Tweed.....	8	50	118	1,021	5	72	131	1,113
Totals.....	1,209	6,611	1,520	39,496	70	1,173	2,799	47,280
1944-45.....	1,047	4,702	915	29,047	211	1,178	2,173	34,927
1943-44.....	750	3,507	990	29,292	532	1,611	2,272	34,440
1942-43.....	761	3,633	868	31,463	197	2,098	1,826	40,191
1941-42.....	1,285	6,048	831	35,043	132	4,988	2,251	46,079
1940-41.....	1,760	8,817	816	31,931	108	2,975	2,684	46,726
1939-40.....	2,732	14,694	709	27,793	245	5,721	3,686	48,208



TABLE NO. 13

## STATEMENT OF FIRE PERMITS ISSUED

District	Number of Permits						
	1945	1944	1943	1942	1941	1940	1939
Sioux Lookout.....	77	71	137	123	232	215	322
Kenora.....	488	447	530	470	376	791	811
Fort Frances.....	140	90	75	195	203	300	424
Port Arthur.....	631	614	554	529	563	1,671	1,083
Geraldton.....	76	99	60	101	.....	.....	.....
Kapuskasing.....	635	226	261	1,677	947	2,757	3,188
Cochrane.....	1,676	1,258	1,241	2,555	2,275	3,397	3,301
Sault Ste. Marie.....	984	117	154	217	288	361	500
Sudbury.....	627	998	1,052	979	886	1,436	1,811
North Bay.....	74	784	834	1,129	1,458	2,885	3,117
Parry Sound.....	205	210	174	300	306	303	443
Algonquin.....	69	88	42	74	124	178	245
Tweed.....	82	104	128	193	175	228	317
Total.....	5,764	5,106	5,242	8,542	7,833	14,522	15,565

TABLE NO. 14

## MEANS OF FIRE DETECTION—1945

District	Total No. of Fires	No. of fires detected by			
		Air Service	Towers	Rangers	Public
Sioux Lookout.....	30	15	9	23	77
Kenora.....	11	12	5	14	42
Fort Frances.....	10	3	1	5	19
Port Arthur.....	22	25	15	53	115
Geraldton.....	12	1	6	15	34
Kapuskasing.....	1	4	3	7	15
Cochrane.....	..	21	21	15	57
Sault Ste. Marie.....	19	9	9	56	93
Sudbury.....	5	113	32	82	232
North Bay.....	3	30	14	37	84
Parry Sound.....	1	54	15	62	132
Algonquin.....	7	12	4	20	43
Tweed.....	..	15	..	8	23
Total.....	121	314	134	397	966

TABLE No. 15  
FIRE DAMAGE TABLE—1945-46

	Sawlogs		Pulpwood		Ties		Fuelwood		Cedar Posts		Cedar Poles		Protection Charges		Total Timber Damage	Property Damage
	F.B.M.	%	Cords	%	No.	%	Cords	%	No.	%	No.	%	Mature Timber	Young Growth		
Sioux Lookout...	8,000	20.00	950	833.10			1,089	422.25					267.96	6.28	1,549.49	3,750.00
Kenora.....	13,500	33.75	31	43.40	500	50.00	743	187.75					132.60	114.88	562.38	
Fort Frances...	2,500	6.25					30	12.00						6.30	24.55	16.00
Port Arthur...	51,500	128.75	1,124	1,545.60	140	14.00	1,234	507.65					849.15	40.43	3,085.58	184,751.50
Geraldton.....			5,273	7,382.20			2,725	1,110.00					1,409.85	73.73	10,035.78	1,860.00
Kapuskasing...			75	105.00			1	.70					95.34		201.01	27,702.46
Cochrane.....	75,000	157.50					19	7.60			2	30.00	64.50	3.87	263.47	
North Bay.....	52,000	120.00	75	90.00			410	124.75					34.43	169.66	538.84	2,117.50
Sudbury.....	218,700	539.25	742	957.95			2,407	916.80	100	2.00			1,293.35	768.76	4,478.11	11,558.75
Sault Ste. Marie	94,250	219.87	1,221	829.40	58	5.80	315	110.00					485.28		1,650.35	4,577.00
Parry Sound...	301,004	748.51			25	2.50	3,132	1,566.00					2,132.06	1,459.58	5,908.65	5,657.65
Algonquin.....	15,000	30.93	4	4.20	45	4.50	38	16.50					17.38	26.95	100.46	20.00
Tweed.....	4,000	40.00					7	5.00						8.23	53.23	6.00
Totals	835,151	2,041.81	9,495	11,790.75	768	76.80	12,750	5,047.00	100	2.00	2	30.00	6,784.90	2,678.67	28,451.93	212,116.86



LADY EVELYN FIRE—TIMAGAMI DISTRICT





TIMAGAMI OFFERS HEALTHFUL RECREATION AMIDST BEAUTIFUL SCENERY

## DIVISION OF LAND AND RECREATIONAL AREAS

The volume of work undertaken in connection with the administration of Crown lands has continued to increase. It is the result of the employment of better methods of dealing with land matters, made possible by the adoption and practical application of specific regulations and by the proper training of head office and field office personnel, in addition to the implementation of a policy based on uniformity of action, simplicity, and complete co-operation with the general public, with whom we do business. This, together with more adequate inspection facilities has done much to effect a satisfactory solution of many longstanding problems which had burdened and obstructed the proper function of the Division in the enforcement of The Public Lands Act.

Some study has been given to the best method of development of lands for recreational, agricultural, and other purposes. In planning for the use of recreational areas, every effort is made to adequately provide for private summer homes, commercial resorts, and public camping, parking, picnicking and bathing areas.

In the case of agricultural lands and others, wherever possible, applications are fully discussed with prospective purchasers to ensure complete understanding, and to determine whether or not the land can be utilized to advantage and a return obtained therefrom at least commensurate with the labour performed.

*Summer Resort Lands:*

Ontario remains the leader in accommodating vacationists, both permanent and temporary. More and more persons are attracted by the outstanding beauty of the scenery in our forest areas; they are availing themselves of the opportunity of securing a summer cottage site for private use, and there has been a steady increase also in the number of areas disposed of for commercial use. Many of the applicants are American citizens, who receive the same service, pay the same fees, and are subject to the same regulations with respect to building and other requirements, as our own people. The tables and graphs which form part of this appendix indicate the volume of applications handled, and business of the Division otherwise.

The number of patents issued, as shown, would have been considerably increased, had it been possible to secure the services of Ontario Land Surveyors to make the necessary surveys.

Every effort is made to make our vacation land more attractive, and in this connection, work on roads, trails, portages, camp sites and picnicking grounds, is being continued to the extent that funds are available.

*Agricultural and Allied Uses:*

It was expected that there might be a large influx of immigrants and or ex-service men taking up Crown land, but it did not materialize. Apart from this, it was considered that there would be a reasonably large demand for lands, but this has not been experienced, due, primarily, to the fact that favorable economic conditions have continued. In the event that it does occur, however, there is sufficient land available, which is considered suitable, to take ample care of applicants in most townships which are open for disposition in Northern Ontario, particularly the Clay Belt area.

*Provincial Parks:*

Provincial Parks established to date are:

Algonquin.....	2,741 Sq. Miles
Quetico.....	1,720 Sq. Miles
Rondeau.....	8 Sq. Miles
Lake Superior.....	540 Sq. Miles
Sibley.....	63 Sq. Miles
Ipperwash Beach.....	109 Acres

Provincial Parks are established under the Provincial Parks Act and are dedicated primarily to the preservation of forests, fish, birds, and all forms of wild life. They are used extensively by the public in general for the recreational pursuits which are possible, these being varied and extensive. Some of the potential possibilities have been realized, and facilities have been provided to permit of the fullest use of the great acreages of forest, stream and lake land involved. Camping areas have been set aside, and in some cases fees are charged and hydro electric power is provided. In other cases no fee is charged; parcels are leased for private summer cottages; for commercial use; boys' and girls' camps, stores and hotels. Dancing, horseback-riding, tennis, boating and amusement concessions are available. Improvements are made to provide for the fullest enjoyment of the people as conditions warrant and funds are provided. The construction of roads, the cutting out of trails and portages, and the repair of dams, were among the numerous improvements made during the year, which have increased park facilities.

An addition to Sibley Park was made through the purchase of privately-owned lands, containing some 1078 acres. This acquisition was made primarily to effect in some measure a more uniform park boundary.

*Veterans' Lands:*

The Department entered into negotiations with the Dominion Government with a view to concluding some arrangement to provide for the disposal of land to ex-service personnel, and at the same time, to place them in a position to receive financial assistance under the Veterans' Land Act (Dominion) 1942. An agreement was completed on April 10th, 1946, which provides for the establishment of qualified veterans on Crown land in Ontario. The agreement became effective immediately.

The Province, as represented by this Department, is responsible for the allocation of Provincial land to veterans, and to extend to them all services ordinarily provided for other than veterans, consistent with the Public Lands Act and the regulations thereunder. To date, comparatively few veterans have availed themselves of the opportunity extended. Provincial facilities are available to adequately take care of any future demand.



*Regulations and Policy:*

Constant attention is given to changing conditions, and the regulations and policy are amended from time to time, consistent therewith, when in the public interest so to do. Changes effected during the year include,—

Regulations governing the free release of pine timber reserved from patent on agricultural lands, as provided for in an Act to amend the Public Lands Act 1946.

Establishing building requirements in connection with the sale of summer resort parcels already surveyed to provide for an expenditure of the minimum amount of \$500.00 in the construction of buildings for each parcel as surveyed which is sold to one individual.

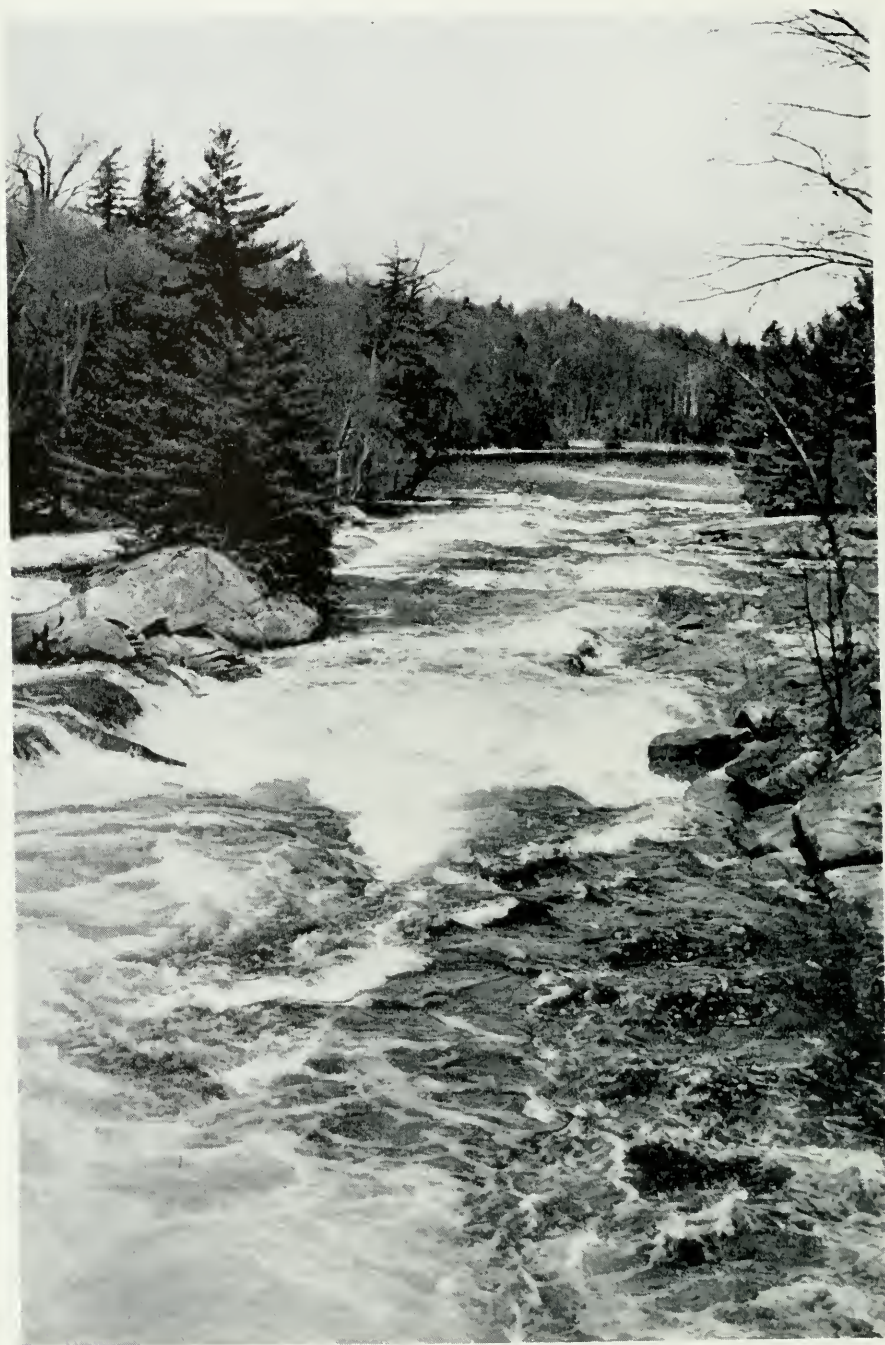
Provision for the depth of all summer resort parcels sold for private purposes to be not more than 300 feet. This was formerly 600 feet and it was found in most instances to be considerably in excess of what was actually necessary.

## STATISTICAL TABLES AND GRAPHS

Transactions for the fiscal year ending March 31, 1946

<i>Tables</i>	<i>Page</i>
Table No. 1—Agricultural land.....	61
Table No. 2—Free grant land (including soldiers' land).....	62
Table No. 3—Land for special use.....	63
Table No. 4—Summer resort land.....	66
Table No. 5—Cities, towns and townsites.....	67
Table No. 6—Land use permits issued.....	68
Table No. 7—Patents office (Lands Division) (Statements of patents, etc., issued).....	70

<i>Graphs</i>	<i>Page</i>
Fig. 1—Agricultural lands in sale townships.....	61
Fig. 2—Agricultural lands in free grant townships, including soldiers' lands.....	62
Fig. 3—Lands for special use.....	63
Fig. 4—Summer resort lands.....	66
Fig. 5—City, town and townsite lands.....	67
Fig. 6—Land use permits, leases, and licenses of occupation issued	69



THE MAGNETAWAN RIVER NEAR MAGNETAWAN

TABLE NO. 1

AGRICULTURAL LAND

Transactions for the fiscal year ending March 31, 1946

Administrative District	District Forester	Sales		Cancellations		Assignments		Patents	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cochrane.....	A. S. Bray....	36	2872.96	98	9492.71	35	3163.81	48	6224.37
Fort Frances.....	J. M. Whalen....	22	2177.15	18	411.00	1	80.50	2	170.25
Geraldton.....	U. W. Fiskar....			7	324.50			1	21.70
Kapuskasing.....	E. L. Ward....	19	1571.05	91	7440.02	36	3514.43	30	3321.70
Kenora.....	G. F. Meyer....	17	1561.25	7	664.21	6	851.14	7	769.95
North Bay.....	T. E. Mackey....	34	3619.29	33	3961.45	22	2579.66	32	4371.42
Parry Sound.....	R. L. Snow....	13	1249.96	7	235.00	2	260.00	11	1208.00
Pembroke.....	W. E. Gimby....	30	2291.10	5	391.00	4	318.38	26	2133.75
Port Arthur.....	R. H. Bliss....	11	1263.75	87	11723.50	13	1866.70	21	3006.50
Sault Ste. Marie.....	A. Leman....	2	323.00	1	172.00	3	480.00	1	160.00
Sioux Lookout.....	K. Acheson....			4	138.78	2	24.35		
Sudbury.....	T. Thorpe....	51	5503.92	52	6012.23	33	3885.66	56	6661.32
Tweed.....	A. Crealock....	46	4102.21	28	1967.34	4	339.50	85	8534.32
Main Office.....	Main Office....					1	100.00	1	100.00
Totals.....		281	26535.64	438	42933.74	162	17464.13	321	36683.28

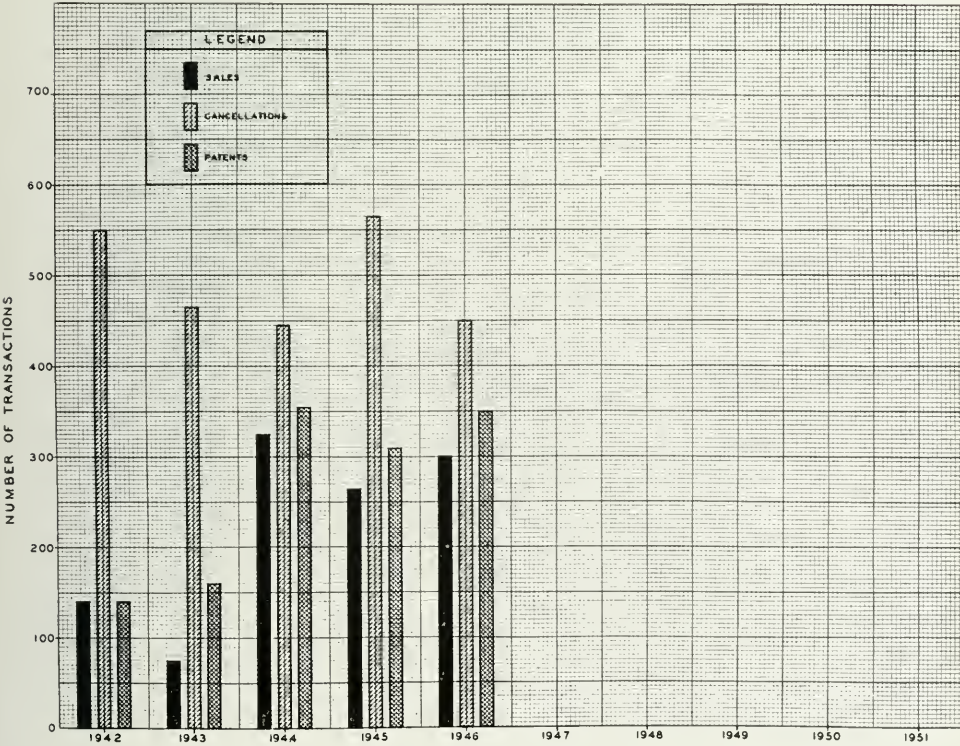


FIG. 1—AGRICULTURAL LAND IN SALE TOWNSHIPS



TABLE NO. 2

FREE GRANT LAND (including soldiers' land)

Transaction for the fiscal year ending March 31, 1946

Administrative District	District Forester	Locations		Cancellations		Assignments		Patents	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cochrane.....	A. S. Bray....	5	424.64	6	549.00	1	81.00	1	162.00
Fort Frances...	J. M. Whalen...	5	740.00	52	6539.50	8	957.00	21	2828.72
Kapuskasing....	E. L. Ward....	1	75.00	3	270.50				
Kenora.....	G. F. Meyer....	6	859.50	26	3193.50	19	2568.65	25	3783.33
North Bay.....	T. E. Mackey...	4	342.00	46	5053.50	7	883.50	5	574.00
Parry Sound....	R. L. Snow....	6	725.00	51	6349.50	10	1662.00	19	2453.50
Pembroke.....	W. E. Gimby...	5	567.00	87	9605.35	25	2841.00	36	3893.42
Port Arthur....	R. H. Bliss....	5	697.50	31	4268.50	16	2062.77	34	4792.70
Sioux Lookout..	K. Acheson....	1	152.00						
Sudbury.....	T. Thorpe....	5	552.75	29	3584.84	1	78.50	14	1574.69
Tweed.....	A. Crealock....	6	602.00	214	22045.50	33	3080.00	61	6005.97
Totals.....		49	5737.39	545	61459.69	120	14214.42	216	26068.33

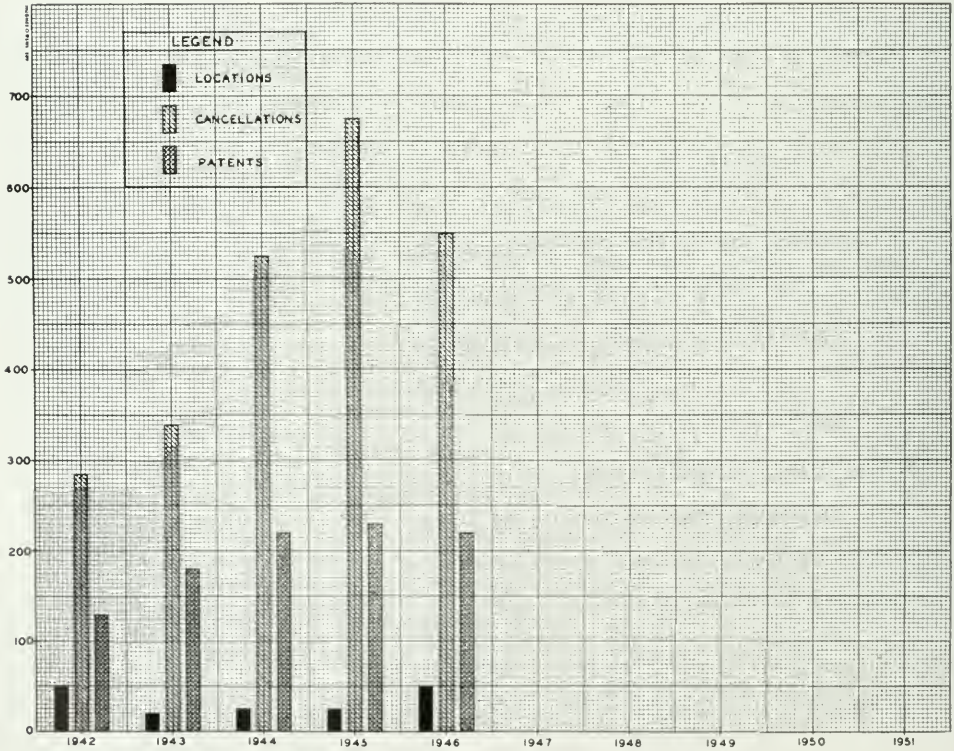


FIG. 2—AGRICULTURAL LAND IN FREE GRANT TOWNSHIPS (including Soldiers' land).

TABLE No. 3

## LAND FOR SPECIAL USE

Transactions for the fiscal year ending March 31, 1946

Administrative District	District Forester	Sales		Cancellations		Vesting Order		Patents	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cochrane.....	A. S. Bray.....	3	225.30					2	2.47
Fort Frances....	J. M. Whalen....	1	123.99					13	18.72
Geraldton.....	U. W. Fiskar....	2	22.61					1	1839.66
Kapuskasing....	E. L. Ward.....							4	3.84
Kenora.....	G. F. Meyer.....	10	98.08					2	2.75
North Bay.....	T. E. Mackey....	22	1639.84					2	17.80
Parry Sound....	R. L. Snow.....	25	622.16					10	26.87
Pembroke.....	W. E. Gimby....	20	4063.24					18	3557.27
Port Arthur....	R. H. Bliss.....	4	272.57					2	31.57
Sault Ste. Marie	A. Leman.....	7	168.51					2	5.80
Sioux Lookout..	K. Acheson....	1	2.02					1	28.27
Sudbury.....	T. Thorpe.....	30	2057.98					13	248.48
Tweed.....	A. Crealock....	59	7567.93					25	4125.76
Main Office....	Main Office....	7	276.71					10	586.92
Totals.....		194	17140.94					105	10496.18

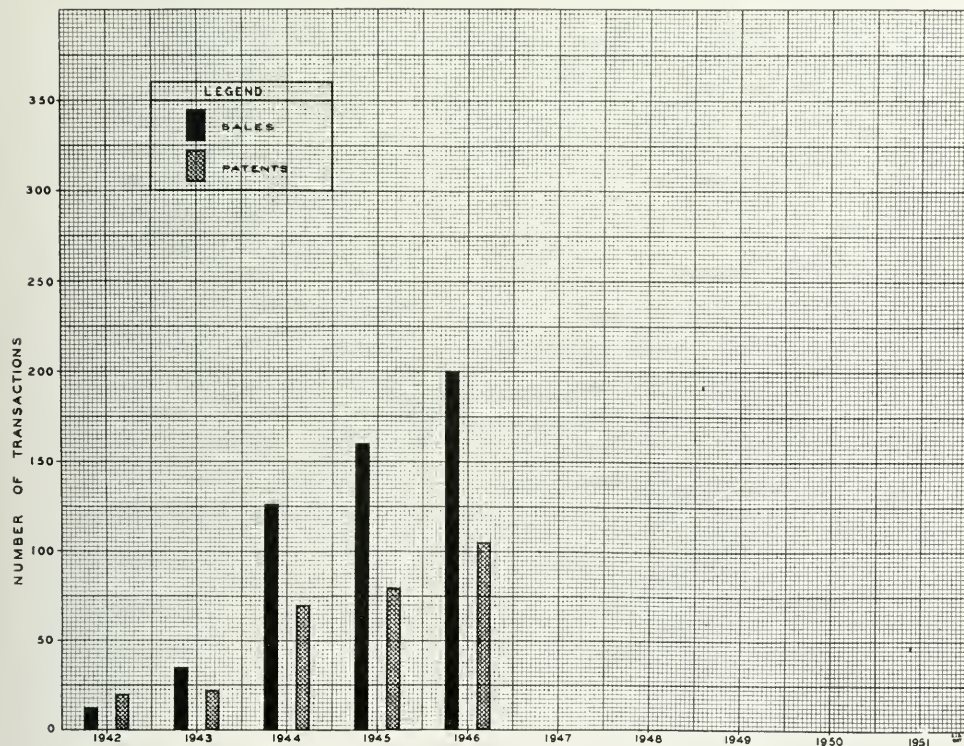
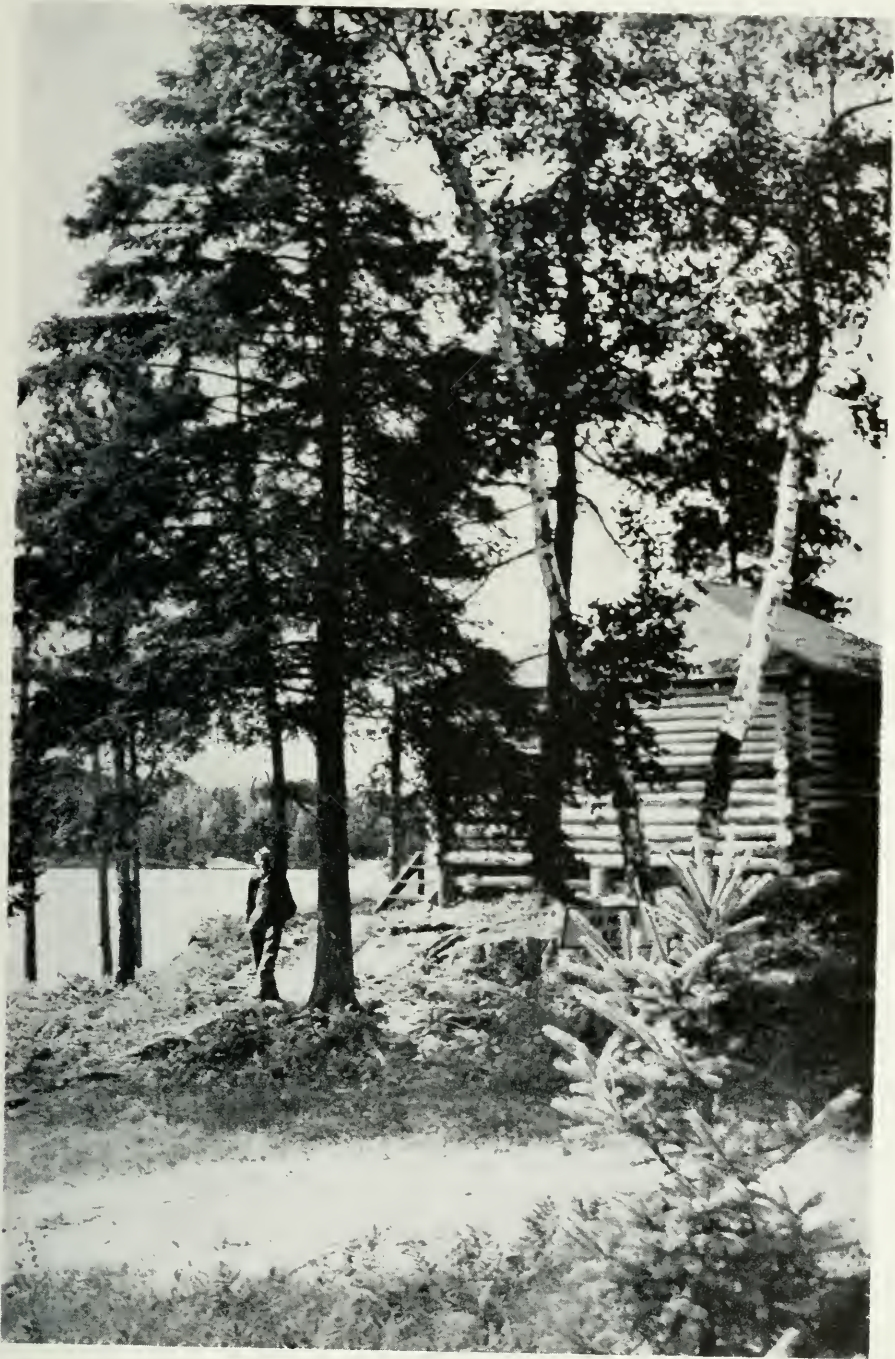


FIG. 3—LANDS FOR SPECIAL USE





A PUBLIC PICNIC GROVE ON JAMES LAKE



A LOG CABIN IN TIMAGAMI



TABLE NO. 4

## SUMMER RESORT LANDS

Transactions for the fiscal year ending March 31, 1946

Administrative District	District Forester	Sales		Cancellations		Assignments		Patents	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cochrane.....	A. S. Bray....	4	2.35			1	1.78	3	2.79
Fort Frances....	J. M. Whalen..	39	81.77						
Geraldton.....	U. W. Fiskar..							1	.71
Kapuskasing....	E. L. Ward....	5	15.57					1	.72
Kenora.....	G. F. Meyer....	110	287.53	3	17.12	1	.95	56	139.97
North Bay.....	T. E. Mackey..	83	327.88					43	187.34
Parry Sound....	R. L. Snow....	74	177.77	3	11.60	2	6.53	41	117.66
Pembroke.....	W. E. Gimby..	15	23.87			1	.90	6	13.25
Port Arthur....	R. H. Bliss....	30	79.52	3	5.21	1	2.46	12	27.76
Sault Ste. Marie	A. Leman.....	44	113.41			2	2.62	22	65.13
Sioux Lookout..	K. Acheson....	4	5.27					4	14.61
Sudbury.....	T. Thorpe....	77	209.81			6	17.46	59	160.36
Tweed.....	A. Crealock...	50	86.64	2	1.88			29	51.10
Totals.....		535	1411.39	11	35.81	14	32.70	277	781.40

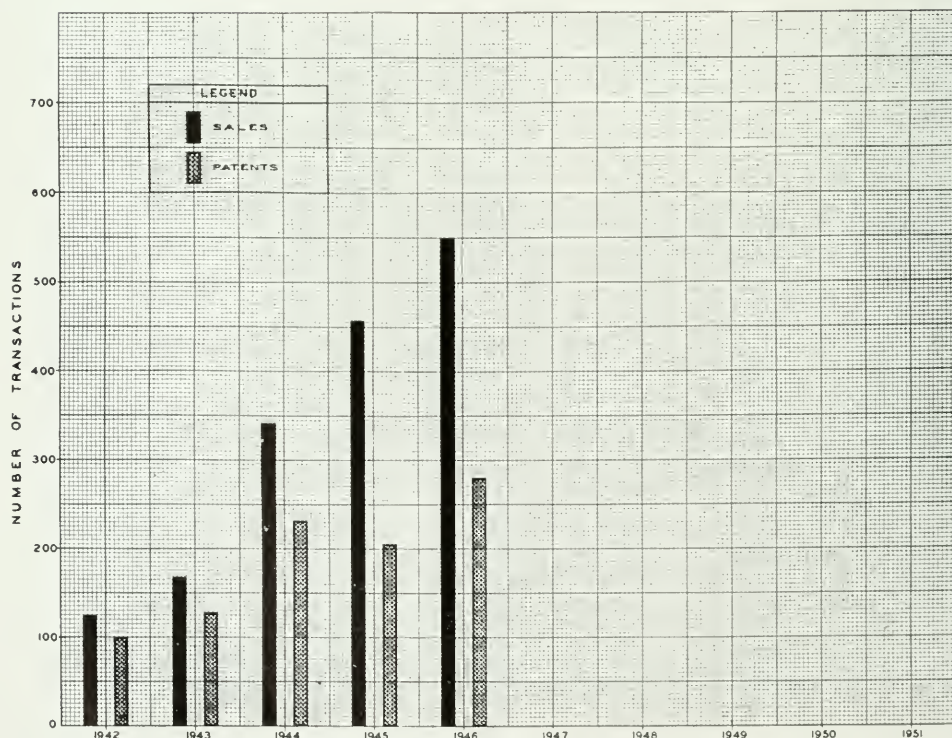


FIG. 1—SUMMER RESORT LANDS

TABLE NO. 5

## CITIES, TOWNS AND TOWNSITES

Transactions for the fiscal year ending March 31, 1946

Administrative District	District Forester	Sales		Cancellations		Assignments		Patents	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cochrane.....	A. S. Bray.....	19	18.17	2	.52	5	.76	11	3.55
Fort Frances....	J. M. Whalen....								
Geraldton.....	U. W. Fiskar....	14	1.75	3	.51			8	1.47
Kapuskasing....	E. L. Ward.....	22	19.73	5	5.00	2	.42	6	5.34
Kenora.....	G. F. Meyer.....	22	7.63	3	1.16			4	18.39
North Bay.....	T. E. Mackey....	4	.62	1	.50			5	.44
Parry Sound....	R. L. Snow.....	1	2.60					1	2.60
Pembroke.....	W. E. Gimby....	1	.23					2	1.01
Port Arthur....	R. H. Bliss.....	20	4.79			2	.24	11	2.11
Sault Ste. Marie	A. Leman.....	7	4.61	16	2.00	1	.50	9	23.87
Sioux Lookout..	K. Acheson....	14	2.52	2	.56	2	.27	24	6.21
Sudbury.....	T. Thorpe.....	27	3.90	5	.67	1	.06	29	3.69
Tweed.....	A. Crealock....	1	.50					2	3.78
Main Office....	Main Office....	10	18.43					18	57.09
Totals.....		162	85.48	37	10.92	13	4.66	130	129.55

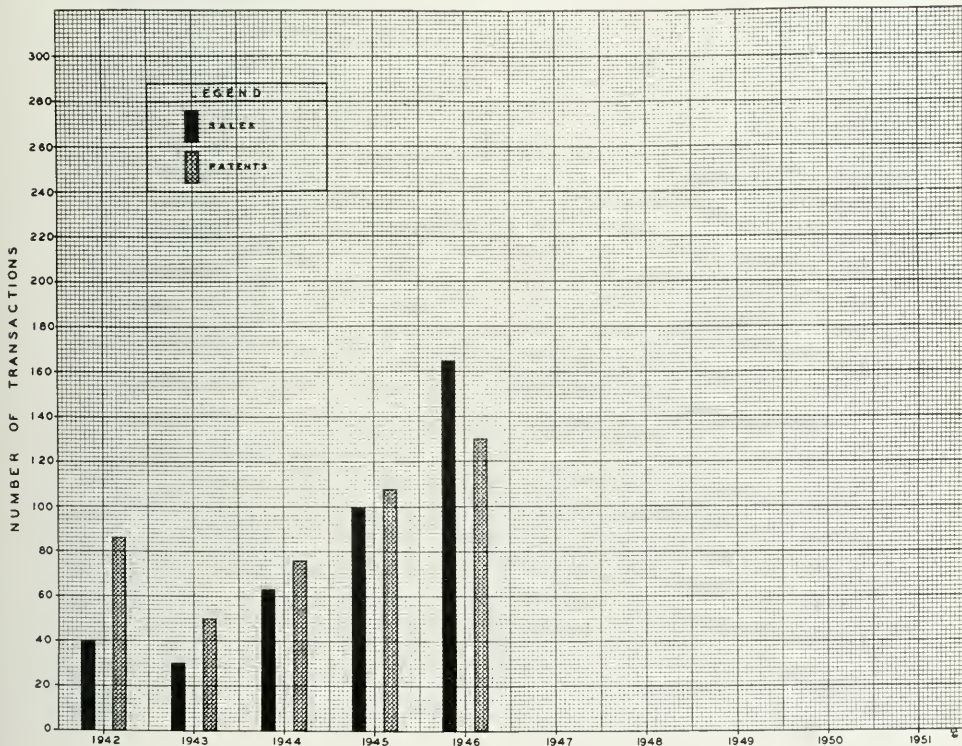


FIG. 5—CITY, TOWN AND TOWNSITE LANDS

TABLE No. 6  
LAND USE PERMITS APRIL 1, 1945—MARCH 31, 1946

Administrative District	Dwelling and Garden		Sawmill Sites		Boathouse Sites		Hunt Camp Sites		Agricultural		Hay Cutting		Trappers Camps		Miscellaneous		Department Owned Houses No.
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
Algonquin	51	54.50	5	101.00	2	1.00	5	4.50							32	19.50	25
Cochrane	13	41.00	15	81.00	7	4.00	3	3.00	18	2678.00	35	464.25	1	5.00	10	4.68	
Fort Frances	1	.25	2	7.00			3	.75					3	.75	11	4.00	
Geraldton			2	31.00					1	16.00					2	21.00	
Kapuskasing	4	4.00	4	35.00	1	25.00	5	3.50	10	202.00	29	204.50					
Kemora	4	3.25	2	10.00	1	.25					1	25.00	1	3.25	5	1.00	
Orono etc.	4	27.00	10	70.75	13	33.39	21	18.57	6	170.00	4	165.00	5	3.18			135
North Bay	29	55.90	19	121.00	14	7.51	20	26.84	15	1247.11	4	184.00	9	9.00	13	18.00	4
Parry Sound	43	106.01	11	50.00	9	3.22	139	232.53	4	323.50	6	40.00	3	2.50	19	352.00	1
Pembroke	88	128.40	5	80.60	1	.25	10	10.00	1	78.00	1	4.50	3	3.00	23	15.00	
Port Arthur	14	86.50	24	38.00			4	6.00	2	505.00					14	76.38	20
Rouveau Park																4.68	
Sault Ste. Marie	32	47.35	7	26.00			14	12.80	1	81.00					3	4.00	4
Sioux Lookout	8	27.00	8	37.00			2	2.00							19	203.31	44
Sudbury	94	619.62	28	226.00	6	5.25	26	30.00	68	4374.50	15	1130.00	2	3.00	22	591.00	3
Tweed	13	44.55	14	55.00			69	45.58	12	1206.00	10	165.00	1	.50	1	1.00	
Totals	398	1245.33	156	878.45	44	79.87	321	396.07	138	10884.11	95	2382.25	31	30.18	251	1310.58	236





BEAR ISLAND—TIMAGAMI

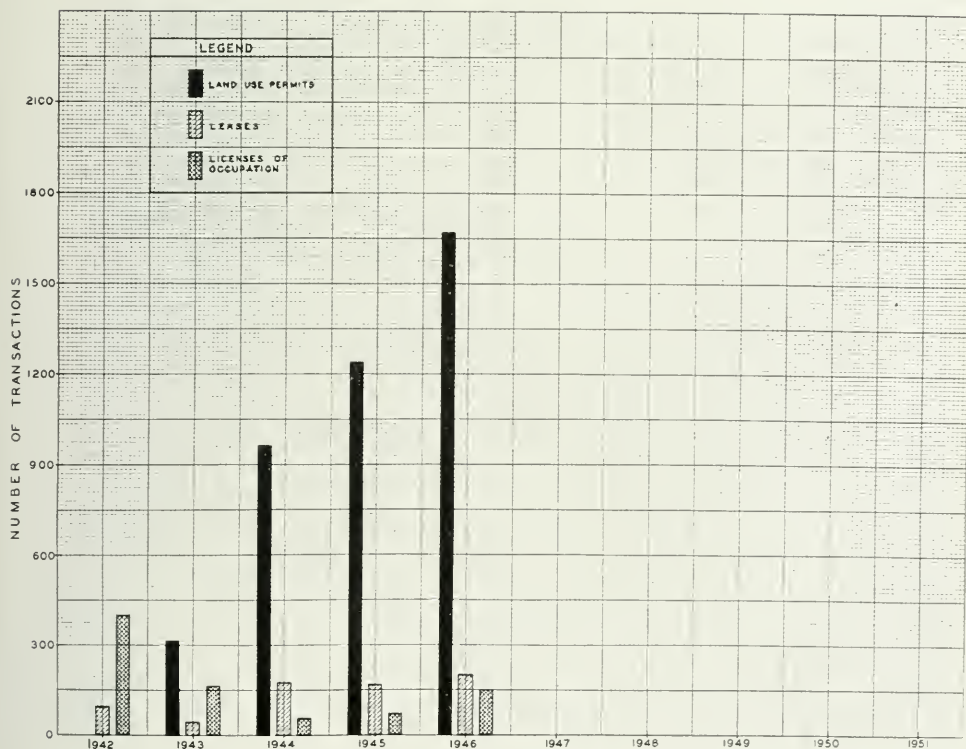


FIG. 6—LAND USE PERMITS, LEASES AND LICENSES OF OCCUPATION ISSUED

TABLE NO. 7

Statement of Patents, etc., issued during the year ending March 31, 1946

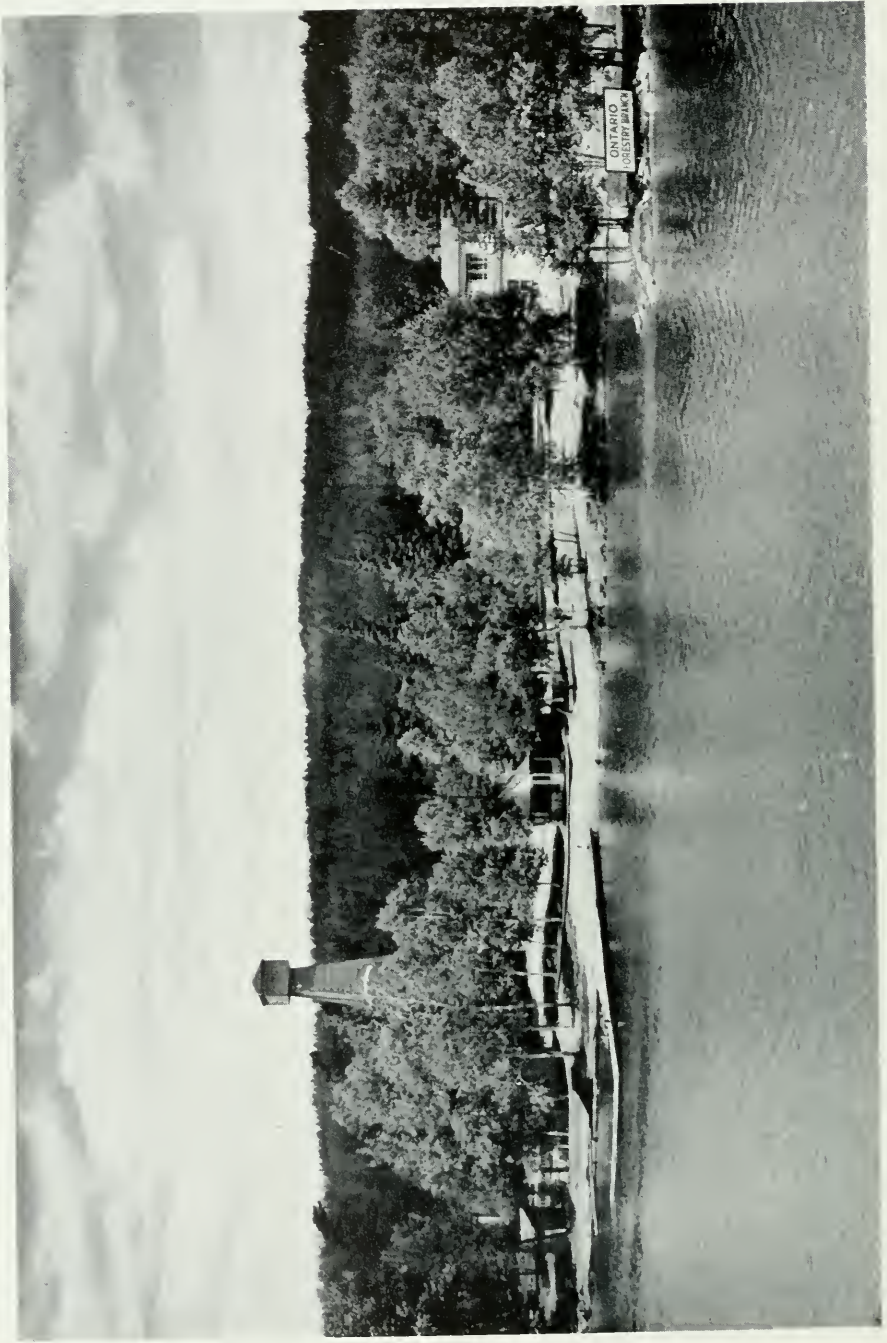
Public Land Patents.....	598	
Free Grant Patents.....	216	
Transfers (Town Lots).....	35	
Patents (Town Lots).....	95	
Miscellaneous Documents.....	105	
Release of Pine.....	25	
	<hr/>	1074
Mining Land Patents.....	776	
Mining Rights Patent.....	4	
Mining Leases.....	84	
	<hr/>	864
Crown Leases.....	15	
Algonquin Park Leases.....	43	
Bruce Beach Leases.....	4	
Bruce Beach Renewals.....	14	
Rondeau Park Leases.....	30	
Timagami Island Leases.....	4	
Water Power Leases.....	8	
	<hr/>	118
Total.....		2056
Licenses of Occupation (Mines).....	67	
Licenses of Occupation (Lands).....	80	
Licenses of Occupation (Rondeau).....	2	
Licenses of Occupation (Timagami).....	3	
	<hr/>	152
Licenses of Occupation (Cancelled).....	69	
Crown Leases (Cancelled).....	31	



A SEABEE PLANE USED TO FLY TOURISTS IN TO A RESORT AT GRAVENHURST



SUNSET ON LAKE TIMISKAMING



TIMAGAMI ISLAND - LAKE TIMAGAMI



## DIVISION OF LAW

The primary duties of the Division are as indicated in the Administrative Chart following page 80.

During the months of July and August, complaints were heard under the provisions of the Provincial Land Tax Act by the District Court Judges located at Kenora, Fort Frances, Port Arthur, Sault Ste. Marie, Gore Bay, Sudbury, North Bay, Haileybury, Parry Sound and Bracebridge, and by the County Court Judge of the County of Essex. The Department was represented by the Chief of this Division and the Land Tax Collector at the hearing of all complaints.

Amendments were made to 9 Acts governing the administration of the Department, and 2 new Acts were enacted, one of which is The Trees Conservation Act, 1946. This act provides permissive legislation for county organizations who wish, with the approval of the Minister, to make by-laws concerning the utilization of agricultural woodlots.

There was a considerable decline in the number of charges laid under the Forest Fires Prevention Act.

During the year 15 timber concession agreements were prepared and completed, 7 of which dealt with the agreements effected between the Crown and Abitibi Power & Paper Company, Limited. These agreements become effective when this Company ceased to be under the control of a Receiver and Manager.

Various field trips were made by the Chief of the Division during the year in connection with the acquisition of land for the Kemptville Nursery, the extension of the Provincial Air Service Hangar at Sault Ste. Marie, and various other matters requiring legal adjustment and attention.





DISTRICT FORESTER GEORGE PHILLIPS FEEDING DEER IN ALGONQUIN PARK

## DIVISION OF OPERATION AND PERSONNEL

*Operation*

Difficulties in obtaining qualified personnel and suitable equipment to meet pressing needs have been approaching a climax, and have constituted definite handicaps in meeting minimum requirements of the Department at large. The startling developments in the war area, however, portend reasonably early relief in both fields.

## ADMINISTRATIVE ORGANIZATION

## HEAD OFFICE, TORONTO

*Minister*—HON. W. G. THOMPSON

*Deputy Minister*—F. A. MACDOUGALL

<i>Division</i>	<i>Chief</i>
Accounts.....	J. G. McMillen
Air Service.....	G. E. Ponsford (Sault Ste. Marie)
Forest Protection.....	C. R. Mills
Land and Recreational Areas.....	H. W. Crosbie
Law.....	F. J. Sullivan
Operation and Personnel.....	P. O. Rhynas
Reforestation.....	E. J. Zavitz
Research.....	R. N. Johnson
Surveys and Engineering.....	C. H. Fullerton
Timber Management.....	J. F. Sharpe

## FIELD ORGANIZATION

## NORTHERN ONTARIO

REGION	<i>Regional Forester</i>	<i>District</i>	<i>District Forester</i>	<i>District Headquarters</i>
Southern.....	P. McEwen.....	Tweed.....	A. Crealock.....	Tweed
		Algonquin.....	Geo. Phillips.....	Algonquin Park
		Parry Sound.....	R. L. Snow.....	Parry Sound
Central.....	T. F. Mackey.....	Sudbury.....	T. Thorpe.....	Sudbury
		North Bay.....	T. E. Mackey.....	North Bay
		Sault Ste. Marie.....	A. Leman.....	Sault Ste. Marie
Kapuskasing.....	E. L. Ward.....	Kapuskasing.....	E. L. Ward.....	Kapuskasing
		Cochrane.....	A. S. Bray.....	Cochrane
Thunder Bay.....	P. Addison.....	Port Arthur.....	R. Boulton.....	Port Arthur
		Geraldton.....	U. W. Fiskar.....	Geraldton
Western.....	W. D. Cram.....	Kenora.....	G. F. Meyer.....	Kenora
		Fort Frances.....	Geo. Delahey.....	Fort Frances
		Sioux Lookout.....	K. Acheson.....	Sioux Lookout

## SOUTHERN ONTARIO

<i>Zone</i>	<i>Zone Forester</i>	<i>Headquarters</i>
Eastern.....	A. B. Wheatley.....	Kemptville
Central Eastern.....	G. M. Linton (Acting) (also Superintendent Orono Forest Nursery).....	Orono
Georgian Bay Counties.....	J. F. L. Simmons.....	Toronto
Central Western.....	I. C. Marritt.....	Galt
Lake Erie.....	F. S. Newman (Acting) (also Superintendent St. Williams Forest Nursery).....	St. Williams
South Western.....	C. H. Zavitz.....	Chatham

## AREAS OF FOREST DISTRICTS

<i>Districts</i>	<i>Area</i>
Sioux Lookout.....	17,000,000 acres
Kenora.....	6,800,000 acres
Fort Frances.....	3,900,000 acres
Port Arthur.....	9,600,000 acres
Geraldton.....	6,800,000 acres
Kapuskasing.....	8,200,000 acres
Sault Ste. Marie.....	8,800,000 acres
Cochrane.....	9,700,000 acres
Sudbury.....	14,100,000 acres
North Bay.....	5,300,000 acres
Parry Sound.....	4,200,000 acres
Algonquin.....	3,000,000 acres
Tweed.....	3,200,000 acres
Total.....	100,700,000 acres



THE FALLS AT THE MOUTH OF THE MAGPIE RIVER



## CHIEF FOREST RANGERS AND THEIR DIVISIONS AS OF MARCH 31, 1946.

<i>Division</i>	<i>District</i>	<i>Chief Ranger</i>
A. C. R.	Sault Ste. Marie	J. A. MacGillivray
Abitibi	Cochrane	.....
Algonquin N.	Algonquin	A. L. Dunne
Algonquin S.	Algonquin	T. McCormick
Armstrong	Sioux Lookout	W. H. Fayle
Biscostasing	Sudbury	W. P. O'Donnell
Black Sturgeon	Port Arthur	W. J. Gibson
Blind River	Sault Ste. Marie	T. E. Cassidy
Capreol	Sudbury	T. McGown
Chapleau	Sudbury	J. E. Morin
Cochrane	Cochrane	C. A. Stanbury
Elk Lake	North Bay	W. A. Adair
Espanola	Sudbury	S. D. Spence
Foleyet	Sudbury	A. C. Bouchey
Fort William	Port Arthur	T. Guerard
Franz	Sault Ste. Marie	J. A. Foster
Georgian Bay	Parry Sound	C. C. McInnis
Gogama	Sudbury	L. Berlinquette
Hearst	Kapuskasing	J. W. Colley
Huntsville	Parry Sound	W. J. Barber
Ignace	Kenora	R. Alcock
Kapuskasing	Kapuskasing	J. H. Clavelle
Kenora	Kenora	F. R. Parmeter
Lake St. Joseph	Sioux Lookout	E. G. Guertin
Longlac	Geraldton	A. Grasser
Madawaska	Tweed	H. M. Legris
Minaki	Kenora	A. Cleavely
Mobert	Sault Ste. Marie	D. McMenemy
Nakina	Geraldton	J. Jarvis
Nipigon	Port Arthur	C. W. McDonald
North Bay	North Bay	D. J. Kennedy
Oba	Kapuskasing	B. Wilson
Pays Plat	Geraldton	G. D. MacAdam
Rainy River	Fort Frances	W. Darby
Red Lake	Sioux Lookout	R. Taylor
Sault Ste. Marie	Sault Ste. Marie	H. W. Green
Shebandowan	Port Arthur	J. H. Stirrett
Sioux Lookout	Sioux Lookout	J. Rorke
Sudbury	Sudbury	J. H. Strain
Swastika	Cochrane	F. L. Millar
Timagami	North Bay	P. Hoffman
Timmins	Cochrane	G. Wallingford
Trent	Tweed	E. Goodman

## PERSONNEL MANAGEMENT

*Selection and Placement:*

The dearth of qualified personnel to meet increased administrative routine has thrown an extra burden on the shoulders of the existing staff which they have discharged with a fine spirit of co-operation in the emergency.

As of April 1st, 1945, W. E. Gimby was transferred from Sault Ste. Marie to Pembroke as Assistant District Forester, Algonquin District.

As of July 16th, 1945, C. R. Mills returned to duty from service with the R.C.A.F. and resumed his duties as Chief, Division of Forest Protection.

As of November 7th, 1945, Richard Boultee became District Forester at Port Arthur after his return from service overseas with the Armed Forces.

As of February 15th, 1946, George Delahey returned from service with the R.C.A.F. and became District Forester at Fort Frances, with J. M. Whalen as Assistant District Forester.

The following members of the staff were superannuated during the fiscal year:

<i>Name</i>	<i>Division or District</i>	<i>Date</i>
Alexander, J. A.	Fort Frances	Aug. 1/45
Bower, N. J.	Algonquin	Oct. 1/45
Ferguson, Miss J.	Timber Management	Dec. 9/45
Fullerton, C. H.	Surveys & Engineering	April 13/45
Harris, G.	Operation & Personnel	Nov. 1/45
McKee, J. P.	North Bay	Sept. 7/45
Regan, J. L.	Cochrane	May 19/45
Rowlands, Miss M. C.	Reforestation	Aug. 23/45
Sinard, A. H.	Air Service	Jan. 1/46
Van Horn, L. E.	Cochrane	Dec. 4/45
Wilcox, W. H.	Air Service	Sept. 10/45

## TECHNICAL PERSONNEL

The number of Foresters and other technically trained personnel employed was as follows:

	<i>Head Office</i>	<i>Field</i>	<i>Totals</i>
Foresters	14	31	55
Others	12	2	14
Total	36	33	69

(Of whom 2 are in the Armed Forces)

In addition to the above, there was 1 Forester, formerly a casual employee, still in the Armed Services.

*Classifications:*

As of the beginning of the calendar year, salary adjustments were made, and the cost of living bonus was partially absorbed. In the process, numerous classifications were adjusted, and a further group of former temporary employees were appointed to the permanent staff.



## NUMBER OF EMPLOYEES BY MONTHS

FOR FISCAL YEAR ENDED MARCH 31, 1946

MONTH	INSIDE			OUTSIDE			TOTAL
	1 PERM.	2 CONT. TEMP.	3 CASUAL	1 PERM.	2 CONT. TEMP.	3 CASUAL	
1945							
April.....	115	46	4	215	278	909	1567
May.....	130	30	6	226	271	1232	1895
June.....	132	31	2	227	263	1226	1881
July.....	131	31	5	238	261	1246	1912
August.....	132	38	6	240	262	1032	1710
September.....	134	46	3	241	266	940	1630
October.....	139	49	2	243	267	631	1331
November.....	142	47	3	241	269	428	1130
December.....	141	56	8	237	267	372	1081
1946							
January.....	143	66	7	236	267	429	1148
February.....	143	73	7	238	269	469	1199
March.....	139	80	8	238	270	565	1300

1. Permanent employees.
2. Continuous temporary employees.
3. Casual.

## DISTRIBUTION OF AGE GROUPS

Table of Age Classes of Employees of Department of Lands and Forests—Permanent and Continuous Temporary, as of March 31, 1946.

Age	Number of Employees
Under 21 years.....	27
21 to 30 ".....	109
31 to 40 ".....	142
41 to 50 ".....	214
51 to 60 ".....	158
61 to 70 ".....	73
Over 70 ".....	4
Total.....	727

## TRAINING

*Job Instruction Training*

As of March 1st, 1946, K. B. Smith, formerly instructor in Job Instruction, Relations and Management at the Canadian Vocational Schools on Gould Street, was transferred to the Division of Operation and Personnel. It is planned to give both Head Office and Field Staff introductory training in these items, and the Head Office Staff Training Course will also come under his supervision. During the year an additional number of Field Staff were given the benefits of this course, which up to the first of March, was directed by the Information and Education office.

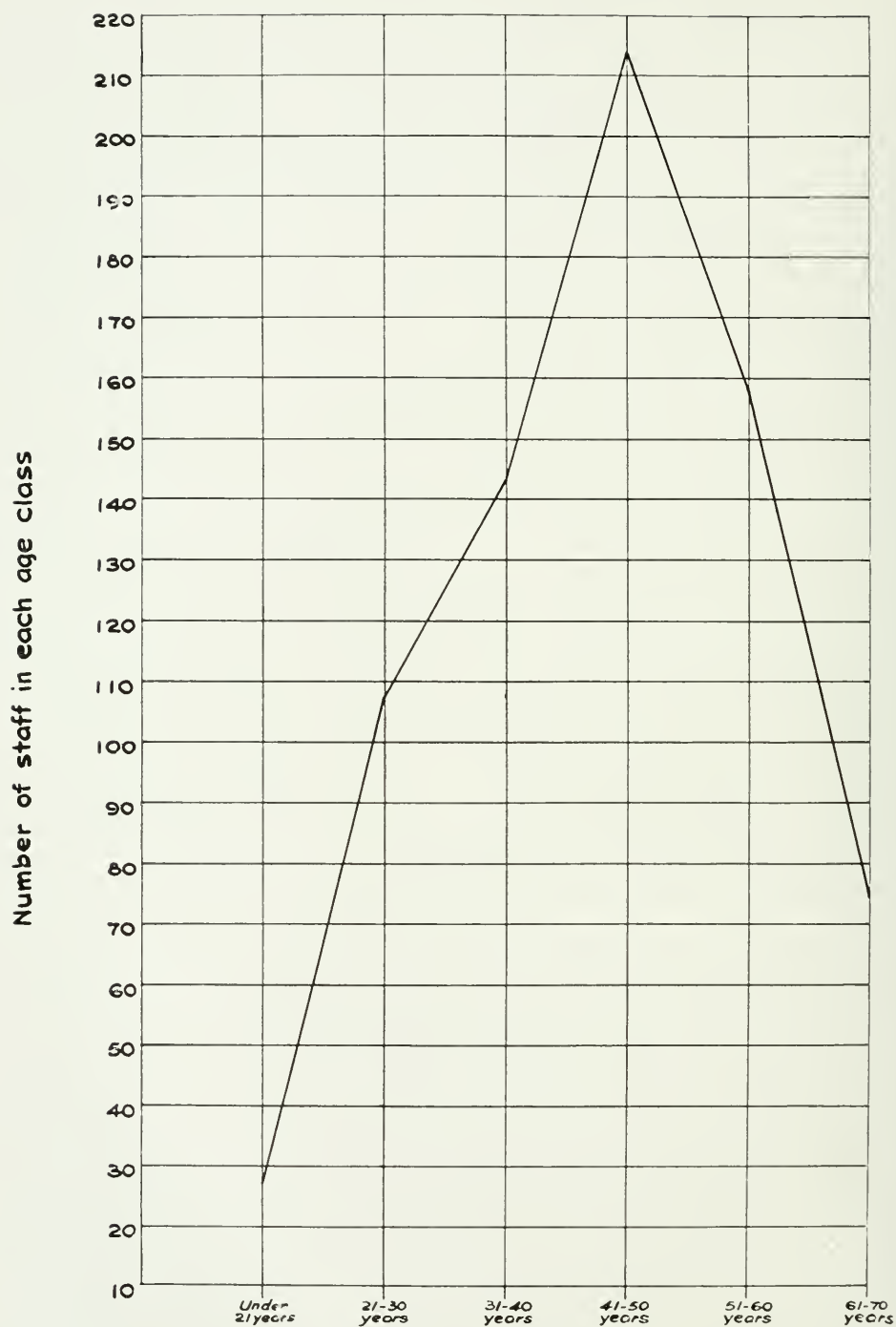


CHART OF AGE CLASSES

# ADMINISTRATIVE DIVISIONS

*Department of Lands and Forests*

PROVINCE OF ONTARIO



# DEPARTMENT OF LANDS AND FORESTS

## PROVINCE OF ONTARIO

### ADMINISTRATIVE DIVISIONS

January, 1946

W. G. THOMPSON, Minister  
F. A. MacDOUGALL, Deputy Minister

ACCOUNTS	AIR SERVICE	FOREST PROTECTION	LAND AND RECREATIONAL AREAS	LAW	OPERATION AND PERSONNEL	REFORESTATION	RESEARCH	SURVEYS AND ENGINEERING	TIMBER MANAGEMENT
J. G. McMillen <i>Chief</i>	G. E. Ponsford <i>Chief</i>	C. R. Mills <i>Chief</i>	H. W. Crosbie <i>Chief</i>	F. J. Sullivan <i>Chief</i>	P. O. Rhynas <i>Chief</i>	E. J. Zavitz <i>Chief</i>	R. N. Johnston <i>Chief</i>	C. H. Fullerton <i>Chief</i>	J. F. Sharpe <i>Chief</i>
<p><i>Accounting</i>, for all Divisions.</p> <p>Collection of Departmental revenue.</p> <p>Payment of Departmental expenditures.</p> <p>Administration of Land Tax Act.</p> <p><i>Preparation of:</i>— Budget estimates. Financial reports. Permanent Staff payroll. Main Office pay lists. Departmental staff salary records. Data for Public Accounts report.</p> <p><i>Control of:</i>— Accountable Warrant Funds. Field Office trust funds. Items held in safe-keeping. Collateral securities. Field Office accounting. Budget for main and field offices. Checking of receipts and disbursements.</p> <p><i>Maintenance of Accounts owing the Department for:</i>— Timber dues. Ground rent. Fire tax. Land sales. Rentals for Leases. Fees for Licenses of Occupation. Water power leases. Provincial Land Tax. Permit operations. Accountable advances.</p>	<p>Control of purchase and improvement of suitable aircraft.</p> <p>Providing and training of pilots and engineers.</p> <p>Supply of fuel and oil.</p> <p>Supply of equipment to air bases.</p> <p>Maintenance of airworthiness.</p> <p><i>Flying for:</i>— Departmental requirements of all kinds. Special requirements of other Provincial Departments. Emergencies, such as mercy flights.</p>	<p><i>Supervision of:</i>— Forest fire protection. Purchasing, maintenance and distribution of fire fighting equipment and supplies. Radio communication service. Fire ranging staff. Forest protection in relation to insect epidemics and fungus diseases.</p> <p><i>Control of:</i>— Records and plans of all improvements. Fire statistics. Townsite clearing and fire hazard disposal.</p> <p><i>Administration of:</i>— Forest fire protection under Board of Forest Protection Commissioners. Classification and approval of Forest Protection accounts. Compilation of District budgets.</p>	<p><i>Selling, leasing and licensing of Crown Lands for:</i>— Farming, recreation and all other purposes excepting for dam sites, rights-of-way for electric power transmission lines and telephone lines, or for hydro-electric power developments.</p> <p><i>Administration of:</i>— All Provincial Parks.</p> <p><i>Preparation of:</i>— Patents, leases, licenses of occupation or other forms of land transfer and authorization of use of land.</p> <p><i>Maintenance of:</i>— Records of patents, leases, licenses, etc.</p>	<p><i>Preparation of:</i>— Legislation, regulations and timber agreements. Recommendations to Legislative Council. Special patents, land transfers and other documents.</p> <p><i>Legal Advice on:</i>— Interpretation and application of statutes, orders-in-council and other regulations.</p> <p><i>Arbitration of:</i>— Disputes. Claims. Appeals re Land Tax collections.</p> <p>Examination and checking of all patents.</p> <p>Searching deeds and titles of land acquired by the Department.</p>	<p><i>Personnel Management:</i>— Selection and placement. Appointments. Classification. Training. Investigations. Accident prevention. Attendance records. Workmen's compensation.</p> <p><i>Operation:</i>— Office management. Preparation of manuals. Administrative statistics. Permanent departmental records.</p> <p><i>Equipment and Supplies:</i>— Purchase. Distribution. Stock storage, requisitions and records.</p> <p><i>Information and Education:</i>— Correspondence. Articles. Publications. Lectures. Press. Radio. Photographs. Lantern slides. Motion pictures. Schools. Exhibits. Signs and posters. Advertisements.</p>	<p><i>Production:</i>— Tree seed collection. Growing seedlings. Experimental planting. Seedling distribution.</p> <p><i>Promotion and Assistance:</i>— Reforestation projects in County and Municipal forests, farm woodlots, school forest plots, roadside planting, and watershed protection.</p>	<p><i>Research in:</i>— Forest Management (Inventory, Yield, Drain, Soil). Forest Protection (Fire, Insects, Disease). Wildlife (in Provincial Parks). Reforestation (Genetics). Soil Surveys. Wood Utilization. Forest Economics.</p> <p><i>Maintenance of:</i>— Departmental Library.</p>	<p><i>Ground:</i>— Issuing instructions for Crown surveys. Checking and recording of surveyors' returns. Checking plans of surveys of Crown Lands performed for private parties. Checking returns of mining claim surveys. Preparing descriptions of Crown lands to be disposed of. Dealing with water power leases and plans of dams. Preparation and compilation of maps. Publication and distribution of maps. Delineation of Provincial boundaries. Custody of, and supplying of copies of original plans and field notes of surveys. Authorization of geographical names in conjunction with Geographic Board of Canada.</p> <p><i>Air:</i>— Preparation of contour maps for the projection of road location plans. Forest types classification for timber estimating. Exposure and processing of aerial survey films. Supplying photographic survey material to the Dept. of Highways and other Provincial departments. Compilation of maps from aerial survey photographs.</p>	<p><i>Timber Sales:</i>— Analysis of Applications. Preparing Conditions of Sale. Issuing Licenses and Renewals. Transfers and abandonments. Maintenance of statistical and map records.</p> <p><i>Timber Cut Returns:</i>— Recording quantity cut, with locations. Checking affidavits.</p> <p><i>Licensing of Mills:</i>— Saw mills. Pulp and paper mills. Lath, shingle, veneer and other mills handling timber. Recording mill locations.</p> <p><i>Scaling:</i>— Supervision. Scalers' training and examinations. Appointing scalers.</p> <p><i>Forest Surveying</i></p> <p><i>Export from Crown Lands:</i>— Pulpwood. Hardwood logs. Other forest products.</p>





*Scalers' School and Examinations*

During the year Scalers' Schools were conducted by the Division of Timber Management as follows:

<i>Place</i>	<i>Dates</i>
Minden	May 11/45
Thessalon	June 1/45
Fort William	Sept. 1/45
Algonquin Park	Oct. 12/45

The results were as follows:

<i>Place</i>	<i>Full Licenses Granted</i>	<i>Pulp Licenses Granted</i>
Minden	15	8
Thessalon	20	2
Fort William	9	11
Algonquin Park	20	3

*Ranger School*

The Ranger School at St. Nora's Lake began the term September 4th, 1945, and concluded the ranger course for the year September 29th, 1945.

The following members of the Staff attended:

ALGONQUIN:	M. Getz, F. McIntyre, J. Orme, J. Tait.
COCHRANE:	S. E. McWhirter, L. B. Sammon, O. K. Welsh.
FORT FRANCES:	D. C. Baldwin, R. H. Pattison, S. V. Ryan.
GERALDTON:	R. Leppanen, S. Maki.
KAPUSKASING:	E. A. Boice, H. E. Hutchinson, J. M. McDougall
KENORA:	P. Borup, J. A. Murphy, J. MacKay.
NORTH BAY:	D. Burns, R. Laurin, F. Thib.
PARRY SOUND:	S. Booker, H. W. LaBrash
PORT ARTHUR:	W. J. Gibson, T. J. Guerard, W. H. Jarvis, C. W. McDonald, O. A. Sullivan.
SAULT STE. MARIE:	J. Bennett, C. MacDonald, H. MacLeod, C. Tregonning.
SIOUX LOOKOUT:	J. E. Anderson, P. S. Jarrow, P. Maskerine, N. Nylund.
SUDBURY:	E. Barnes, E. Collard, G. T. Godemair, W. K. Lahti, L. C. Mantle, L. Morin, W. E. MacPhail, W. Wetow.
TWEED:	L. Lean, H. M. Legris.

The property is not yet completed, but it is serving an excellent purpose, so far as the Department is concerned, in making available suitable instruction in advanced practices in land and forest administration, which more and more requires specialized knowledge and skill.

*Staff Meetings*

Regional Conferences including all the senior administrative officers of each region, respectively, were held as follows:

<i>Region</i>	<i>Dates</i>	<i>Location</i>	<i>Regional Forester</i>
Central	Nov. 25-27, 1945	North Bay	T. E. Mackey
Kapuskasing	April 12-13, 1945	Timmins	E. L. Ward
	Nov. 29-30, 1945	Kirkland Lake	
Kenora	April 6-7, 1945	Kenora	W. D. Cram
	Nov. 19-20, 1945		
Southern	Dec. 6-7, 1945	Gravenhurst	P. McEwen
Thunder Bay	April 9-10, 1945	Port Arthur	P. Addison
	Nov. 22-23, 1945		



YOUNG CAMPERS RETURNING FROM A CANOE TRIP IN TIMAGAMI

*Accident Prevention, Health, Safety Measures*

Progress has been made in this field and study is being given to further needs to develop and improve it, and supervision of such specialized work will be committed to the office in charge of training.

Through co-operation with the Health Centre in the Department of Public Health, the process of making chest x-ray examinations is being completed as rapidly as possible for categorization purposes.

*War Veterans Rehabilitation*

During the period of the fiscal year numerous ex-servicemen were interviewed, and continuous employment was arranged for 40 of them in the inside service, and for an additional 21 in the outside service. In all cases priority was given to returned men amongst the seasonal staff.

*Appointments*

For the most part, new appointments have been ex-service personnel. The endeavour has been made to fill the current needs of the various branches of the Department at Head Office and in the Field from applicants who have served their country in the Armed Forces.

*Deaths*

The following are regretfully reported:

James B. Burns—Clerk at Sudbury, on May 2/45.

J. L. Depencier—Deputy Chief Forest Ranger at North Bay, on Dec. 24/45.

Claude A. McFarland—Deputy Chief Forest Ranger at Algonquin, on Dec. 17/45.

Frank E. Rowe—Chief Forest Ranger at Port Arthur, on June 2/45.

Wm. Stringer—Deputy Chief Forest Ranger at Tweed, on Aug. 14/45.

N. F. Welch—Deputy Chief Ranger, at Cochrane, on April 10/45.

*Investigations*

From time to time inspections have been made by the Division Chief and the Chief Inspector when the question at issue was not readily disposed of by correspondence in some cases, and in others, through the Field Offices, essential investigations have been conducted to facilitate final disposal of contentious cases.

*District Foresters' Conference*

The annual District Forester's Conference was held in Toronto, Jan. 14th to Jan. 19th, 1946. It was attended by Field and Head Office officials, and as a result of an organized time table and classified agenda, the proceedings resulted in a most beneficial conference.

*Victory Loan Campaigns*

There were two of these in which the Department co-operated, and due to the wholehearted support of the Staff, one of them resulted in average subscriptions of \$261.00 per capita of the employees of the Department.

In this connection, it may be observed that the Staff gave vigorous support in a material way to the Hospital for Sick Children campaign.

*Amputation Cases*

In an endeavour to assist in meeting exceptional traffic conditions in Toronto streets during the rush hour, arrangements were made for amputation cases to leave ten minutes early.

*Waste Paper and Red Tape Committee*

This body was appointed in June, 1945, to enquire into and make recommendations in an effort to combat difficulties resulting from war conditions.



### *Staff Suggestion Plan*

The interest of both employee and official in this plan has been maintained, and in June, 1945, ten prizes for suggestions were awarded by the Committee as follows:

<i>Name</i>	<i>Suggestion</i>
Miss Audrey Morrison, Toronto.....	Re: Inter-division mail.
Mr. F. R. Parmeter, Kenora.....	Wind-vane for Lookout Towers.
Mr. J. C. Dillon, Sudbury.....	Eye Test Kit for Tower Men.
Mr. M. Sauerbrei, Port Arthur.....	Aerial for Tower Radios.
Mr. H. E. Kedey, Sudbury.....	Pack Board for Storage Batteries.
Mr. E. C. Burton, Sault Ste. Marie...	Booklet for Campers.
Mr. H. E. Kedey, Sudbury and	Modification in Design of Portable Battery
Mr. R. H. Kennan.....	Charger for Tower Radios.
Mr. Allan Shaw, Kenora.....	New Pulpwood Rule.
Mr. Alvin J. Dunne, Pembroke.....	First Aid Instruction.
Mr. H. M. Jackson, Sioux Lookout...	Pay Roll Forms and Pay Roll Cheques.

### *Outside Storage Building*

Because of space limitations at Head Office for storage of reference files, it became necessary to provide additional facilities, and as these records are of exceptional value, it was decided to erect a suitable building for the purpose at the Southern Experimental Station which is Departmental property.

The main section of the building of brick and concrete has been completed, and additions will be necessary.

The completed section is in use.

### *Permanent Records*

The work of the Records Office has been facilitated by the use of outside storage mentioned elsewhere herein. Certain modifications in system have been put into force, as a result of which better service has been given in the handling of files, and their pick up and delivery.

### *Administrative Statistics*

The process of maintaining running records of features of Division responsibility has been refined and amplified to meet new demands automatically, in most cases, and provides ready reference records on groups as well as individuals.

### *Office Management*

Constant study has been given to methods and practice. Improvements and economies have been effected, and plans are being laid to go further in the field of standardization.

### *Attendance Records*

These now show details by months over a period of years for each individual member of the staff, and as sick leave accumulations are now worth half pay on separation from the service, the record of necessity must and does follow a specific pattern subject to audit at all times.

### *Workmen's Compensation*

Costs in this field were reduced, and for the past fiscal period were \$12,459.69 for actual outgo for wages, medical aid, and pensions.

The pension figure is a serious though essential item.

Every effort has been made to see that every possible privilege or benefit is extended to any of our staff injured on duty, and fortunately our fatalities have been few, having in mind the large number employed on field work.



CLEARING THE WOODS DURING CONSTRUCTION OF A ROAD AT LATCHFORD





FISHING SPOTS SUCH AS THIS ATTRACT MANY TOURISTS TO THE SOO

## OFFICE OF INFORMATION AND EDUCATION

Due to the termination of the war it has been possible for the first time since the establishment of the office of Information and Education, in 1941, to acquire some of the staff required to fulfill the program outlined at the time of inception.

In June, 1945, a man was appointed in charge of the photography and visual education sub-section. Later, two assistants were appointed to this work. In September, 1945, a man was appointed in charge of publications, and in February, 1946, another in charge of publicity. The stenographic and clerical staff was increased from two to three during the year. The field lecturing staff was not increased beyond one who was appointed in the fall of 1943.

*General Inquiries*

The number of inquiries concerning the natural resources and Department activities by letter and personal calls, showed a marked increase over the previous year. However, with the increase in the number of publications available for distribution, it is becoming possible to answer economically a considerable proportion of the inquiries without recourse to continuous and lengthy letter writing and conversation.

*Publicity*

The branch of the work described in the heading of Publicity includes: articles for outside publications and newspapers; radio "flashes" and program "shorts"; advertising, including business notices, such as calls for tender for the sale of timber and special fire prevention appeals; signs and posters; exhibits, and the distribution of novelties such as carborundum stones, stamps, stickers, pencils and rulers carrying fire prevention appeals and encouragements for planting of wastelands.

When the public relations assistant was appointed towards the close of the year there was a marked increase in the number of articles in outside magazines. A press release system was started. For the year as a whole, there was an increase in newspaper lineage over previous years of approximately 25%.

The radio program was limited to fire prevention appeals over local broadcasting stations in the north at the time of high fire hazard. No exhibits were undertaken. No new fire posters were designed, but reprints were made and distributed of previous designs. Advertising appeals in forest industry and sporting publications increased by approximately 10% over the previous year.

*Articles*

Magazines and newspapers frequently requested information for articles prepared by members of the Department. Reporters and feature writers, in the preparation of articles, often sought data which they obtained by means of interviewing staff members. An increase of over 50% in total space over the previous year was noted. One well-known outdoors magazine published an article of 1,000 words each month.

In addition to the above, some 1,120 articles, news items and illustrated stories concerning activities of the Department appeared in Ontario daily and weekly newspapers. This coverage included official news releases by the Minister. Line coverage, including 112 photographs, amounted to more than 20,000 column inches during 1945-46.



### *Radio*

Radio stations, particularly in Northern Ontario, rendered valuable assistance to District Foresters by broadcasting fire hazard warnings, notifications as to the closing of areas to travel, the legal requirements to secure travel permits, burning permits etc., plus a large number of fire prevention "plugs" directed particularly to campers and smokers.

### *Advertising*

The majority of the routine business advertisements, numbering 77 in 116 publications, consisted of calls for tender to cut timber. The few additional advertisements of this type were concerned with calls for tender to supply materials or equipment to the Department.

During the year, a total of 26 display advertisements, occupying from the full to a quarter page, were used to good advantage in industrial business and sporting magazines. These consisted of forest fire prevention appeals to the public, especially with reference to camp fires and smokers.

### *Signs and Posters*

During the year, some of the District offices increased the number of roadside signs appealing to the public to be careful with fire. It is considered that a much greater use of this type of sign can be made in future. 11 different fire prevention posters for use on portages and trails were in use during the year. The total number posted throughout the north was 17,142. It is also felt that bill-boards can be used to great advantage at keypoints on highways, especially those which lead into heavily-populated recreational areas.

### *Exhibits*

Because of lack of personnel, this important phase of Department publicity had again to be postponed. It is considered that the Department can, in future, reach hundreds of thousands of citizens in a very economical manner by the use of exhibits.

### *Novelties for Distribution*

Thousands of daily reminders concerning forest fire prevention, reforestation, and conservation in general, were distributed during 1945-46 by means of messages printed on advertising novelties, such as pencils, rulers and carborundum stones. The pencils and rulers were distributed to young people in schools and elsewhere generally, at the time that meetings sponsored by the Department were held. To indicate numbers used—40,000 pencils and 15,000 carborundum stones were distributed.

### *Publications*

With the appointment of an officer in charge of publications, it was possible to prepare and issue a larger number of booklets and leaflets than previously, and improve their format. The first two numbers of a Department magazine, SYLVA, were issued during the year. Lists of the publications completed and those in course of publication appear in the tables which follow.

There was a marked increase in public demand for the publications prepared by the Department, with the result that many quickly went out-of-print. This was particularly true of the magazine SYLVA—the demand for which was truly amazing. It is indeed a problem to determine in what way the Department may meet the persistent and increasing demand for these publications in large numbers, having cost in mind. It is estimated, for example, that to supply the thousands of farmers with factual information by means of the printed word concerning the management of their wastelands, it will be necessary in future to publish in tens of thousands, instead of in thousands.



LECTURERS FOR THE DEPARTMENT REACH EVEN THE MOST REMOTE SCHOOL HOUSES IN THE PROVINCE WITH MESSAGES ON CONSERVATION AND FOREST FIRE PREVENTION

*Department Publications*

The following publications were completed during the fiscal year:

Manual of Scaling Instructions  
Addenda to Manual of Scaling Instructions  
Forest Fires Prevention Act (reprint)  
Forest Tree Planting  
Windbreaks and Shelterbelts  
Birds of Algonquin Park (reprint)  
Rondeau Park Regulations  
Chart of Administrative Divisions  
List of Townships in the Province of Ontario  
Annual Report  
SYLVA, Vol. 1, No. 1  
SYLVA, Vol. 1, No. 2  
Ontario Forest Tree Calendar

The following publications were in course of preparation, but are not completed to date:

Forest Trees of Ontario  
Fire Fighters Manual  
Algonquin Story  
A Cabin of Your Own  
Know Your Forest Trees

*Publications for Distribution*

At the present time the following Departmental publications are available for distribution:

*Timber Management*

Forest Resources of Ontario  
Crown Timber Regulations  
Crown Timber Dues  
Procedure to Cut Timber from Crown Lands  
Systems of Forest Cropping  
Forest Products Chart  
Manual of Scaling Instructions  
Addenda to Manual of Scaling Instructions  
Woodmen's Employment Act

*Forest Protection*

Forest Fires Prevention Act and Regulations  
Forest Conservation Poster

*Air Service*

Wings over the Bush

*Reforestation*

The Farm Woodlot  
Windbreaks and Shelterbelts  
Forest Trees for Distribution  
Forest Tree Planting  
Glacial Pot Hole Area, Durham County  
Ganaraska Survey

*Land and Recreational Areas*

The Public Lands Regulations  
 Lands for Settlement in Ontario  
 Summer Resort Lands in Ontario  
 Algonquin Park  
 Quetico Park  
 Rondeau Park  
 Birds of Algonquin Park  
 Rondeau Park Regulations

*Operation and Personnel*

Administrative Chart

*Surveys and Engineering*

List of Townships in the Province of Ontario  
 List of Lithographed Maps and Plans

*Photography and Visual Education*

In the fall of 1945 a motion picture projection and equipment maintenance room was made available and equipped. A slight easing in equipment supply made it possible to acquire several new motion picture projectors and generators. A small supply of screens, tools, etc., was also acquired.

The field lecturer held meetings throughout Northern Ontario, appealing for public co-operation in the prevention of forest fires. A total audience of over 55,000 persons were reached in these meetings, largely in schools. An additional audience of 5,000 was reached by men from Head Office, who put on motion picture showings as an extra duty.

*Lecture Tours*

One field lecturer conducted Forest Fire Prevention Lecture Tours during the whole year, while two other members of the staff conducted part-time tours during the summer months. A summary report follows:

## FOREST FIRE PREVENTION LECTURE TOURS

April 1, 1945 to March 31, 1946

DISTRICT OR COUNTY	SCHOOLS		SUMMER CAMPS		PUBLIC MEETINGS		TOTAL
	No.	Attendance	No.	Attendance	No.	Attendance	Attendance
Algonquin.....	..	....	18	3207	..	....	3207
Cochrane.....	71	8183	..	....	1	56	8239
Fort Frances.....	..	....	..	....	10	847	847
Geraldton.....	20	2206	..	....	13	996	3202
Kapuskasing.....	8	1824	..	....	32	2968	4792
Kenora.....	6	405	..	....	24	1673	2078
North Bay.....	..	....	7	820	26	3543	4363
Parry Sound.....	..	....	23	3362	..	....	3362
Port Arthur.....	100	13468	..	....	20	1509	14977
Sault Ste. Marie..	..	....	..	....	..	....	....
Sioux Lookout...	..	....	..	....	8	1308	1308
Sudbury.....	110	23506	..	....	57	3964	27470
Tweed.....	45	1590	..	....	..	....	1590
Kent County.....	28	1912	..	....	3	141	2053
Elgin County....	35	819	..	....	4	164	983
Totals.....	423	53913	48	7389	198	17169	78471





R. V. WHELAN ANSWERS A QUESTION DURING ONE OF HIS LECTURES AT A SUMMER CAMP

It is impossible for one man to cover Northern Ontario completely in a year. A limited time was allotted to as many forest districts as could be covered, each district receiving only partial coverage.

As indicated in the last report, there is a minimum requirement still of five lecturers, in order to give proper coverage to all districts at regular intervals.

#### *Photographs and Slides*

During the fiscal year, the Photography and Visual Education Branch fortunately obtained additional staff. This staff was employed on full-time photographic work, since they were hired mainly on equipment maintenance, but a start was made towards getting photographs to meet the many requirements.

A large number of photographs were purchased from various free-lance photographers.

#### *Equipment*

Camera equipment was still very scarce, but some equipment was obtained in order to make the above start.

There is still a very great need for photographs both black and white and colored, and a library of slides should be started at the first opportunity.

#### *Motion Pictures*

A new motion picture, entitled 'Tomorrow's Timber', was used for the first time during this fiscal year on the tours, and proved quite satisfactory. A second motion picture, entitled 'Scout In The Forest', was also used but later shelved, when it was felt that the proper message was not conveyed to the public by this film.

By the end of the fiscal year, 'Tomorrow's Timber' had pretty well saturated the Northern Ontario audience, and in order to maintain our lecture tour programme for the future, it is felt we must undertake production of our own film, since other suitable films are not available on either the Canadian or American markets.

#### *Equipment*

Additional projectors, screens, generators and 'fill-in-films' were purchased as they became available, but more are still needed and should become more readily available during the next year.



SAILING IS A FAVOURITE SPORT IN TIMAGAMI





ST. WILLIAMS—A RED PINE FOREST PLANTED IN 1913

## DIVISION OF REFORESTATION

*Distribution of Trees*

The distribution of trees for the year under review remained about the same as for the past few seasons. There has been an increase of about 1,000,000 output, but we anticipate the demands in the near future will far exceed our possible output. Private landowners received 7,056,000 trees, schools, 1,250,000, municipal reforestation projects 1,750,000, and Crown land a little over 1,000,000 trees. The above projects, with other miscellaneous projects, amounted to a distribution of 11,280,981 trees. Inspections and studies of distribution to private landowners are being carried on, and it is felt that many private individuals are trying to plant hardwoods under conditions which are not successful. We hope to have a cross-section report on this, probably by next season.

The successful distribution of trees to private landowners is very much dependent upon the assistance of local officers, or Zone Foresters, in preparing planting plans and giving advice. This emphasizes the necessity of extending our Zone Forester organization.

*Municipal Reforestation*

There is an increasing interest by municipalities in the matter of reforestation, and we are being presented with the problem of increasing our nursery output in order to keep up with the purchase of lands by municipalities, to be reforested under our present arrangements.

Twelve counties have acquired land, under the Municipal Reforestation Act, since 1922, and entered into an agreement with the Crown for its management. The counties have acquired land as follows: Bruce, 5,000 acres, Prescott and Russell, 10,000 acres, Simcoe, 9,500 acres, Victoria, 3,600 acres, and York, 2,700 acres. The following counties have acquired 1,000 acres or more: Northumberland and Durham, Dufferin, Grey, Leeds and Grenville, Lanark, and Ontario.

Two counties have acquired over 1,000 acres, but are not under agreement with the Crown as regards management—Norfolk, 1,400 acres, and Peterborough, 3,000 acres. In these cases, the Crown supplies the trees free, and endeavours to give technical advice when required.

Twelve other counties have acquired smaller areas. In all, twenty-six counties have made a real start in the undertaking of municipal forestry work.

A few urban municipalities have carried out reforestation in connection with the lands protecting their water supply. Guelph planted areas about the springs at the source of their water supply as early as 1909. Beeton, Hanover, St. Thomas, Woodstock, Orangeville and Midland have carried out reforestation to protect the areas about their water supplies.



### *Distribution to Schools*

Considerable interest has developed among the rural schools in connection with making forest plantations or plots. Competitions have been carried out through the co-operation of the Ontario Horticultural Association.

### *Crown Land Planting*

A little over 1,000,000 trees have been supplied to various projects in connection with reforestation on Crown lands in northern Ontario. These have been in the nature of additions to the Kirkwood Management Unit near Thessalon, and to various experimental plantings on cut-over lands.

### *Provincial Forest Stations*

Extensions in the nursery lands at Saint Williams, and Orono, will facilitate the increasing of the output from these nurseries, and a new station has been established at Kemptville, near Ottawa, through the purchase of some 1,500 acres. This station will be able to serve the needs of eastern Ontario. The following tables furnish details of distribution:

TABLE NO. 1  
SUMMARY OF TREES DISTRIBUTED  
(July 1, 1944 to June 30, 1945)

	Total Shipments	Conifers	Hardwoods	Total Trees
PRIVATE LANDS:				
Reforestation and Windbreaks.	5,046	6,081,577	975,359	7,056,936
School Children.	1,201	946,919	310,426	1,257,345
SEMI-PUBLIC PROPERTIES	57	44,630	15,683	60,313
MUNICIPAL PROPERTIES:				
County Forests.	29	1,096,340	93,960	1,190,300
Forest Plantations.	61	356,300	51,656	407,956
Road Planting	34	143,650	7,900	151,550
School Demonstration Plots.				
Sundry.	16	17,687	8,248	25,935
PROVINCIAL CROWN LANDS:				
Northern Plantations	7	374,600	1,950	376,550
Forests.				
Ranger Plantations.	12	66,850	575	67,425
Nurseries.	1	2,000	500	2,500
Parks.	3	8,025	2,025	10,050
Highways.	9	99,550	15,000	114,550
Hydro Electric Power Commission.	5	10,621	650	11,271
Hospitals.	3	4,050	100	4,150
Penal Institutions	3	91,600	1,000	92,600
Sundry	7	69,550	73,800	143,350
DOMINION CROWN LANDS.	26	145,000	49,575	194,575
INTERPROVINCIAL	1	4,000	3,000	7,000
MISCELLANEOUS.	22	86,475	20,150	106,625
TOTALS.	6,543	9,649,424	1,631,557	11,280,981



RECLAIMING BLOW SAND AND ERODED SOIL BY REFORESTATION



A TREE PLANTER IN ACTION IN THE VICTORIA COUNTY FOREST



A BED OF PINE SEEDLINGS AT MIDHURST



A FIRE BREAK IN VIVIAN FOREST



TABLE NO. 2  
PRIVATE PLANTING  
(July 1, 1944 to June 30, 1945)

	Conifers	Hardwoods	Totals
Algoma.....	45,130	700	45,830
Brant.....	96,311	24,302	120,613
Bruce.....	123,941	30,923	154,864
Carleton.....	39,082	12,680	51,762
Cochrane.....	725	212	937
Dufferin.....	59,500	5,691	65,191
Dundas.....	30,750	9,667	40,417
Durham.....	475,110	57,185	532,295
Elgin.....	278,336	100,731	379,067
Essex.....	137,276	28,312	165,588
Frontenac.....	17,025	2,080	19,105
Glengarry.....	7,610	2,685	10,295
Grenville.....	2,431	272	2,703
Grey.....	142,930	19,747	162,677
Haldimand.....	79,496	25,276	104,772
Haliburton.....	26,155	3,885	30,040
Halton.....	50,240	7,765	58,005
Hastings.....	47,650	2,867	50,517
Huron.....	44,105	15,992	60,097
Kenora.....	4,610	365	4,975
Kent.....	206,971	15,363	222,334
Lambton.....	83,250	14,930	98,180
Lanark.....	14,625	1,160	15,785
Leeds.....	29,492	2,536	32,028
Lennox and Addington.....	33,668	2,782	36,450
Lincoln.....	39,716	5,697	45,413
Manitoulin.....	6,675	3,857	10,532
Middlesex.....	179,225	31,983	211,208
Muskoka.....	218,290	13,690	231,980
Nipissing.....	1,674	300	1,974
Norfolk.....	614,697	84,331	699,028
Northumberland.....	80,085	13,680	93,765
Ontario.....	382,152	35,940	418,092
Oxford.....	135,266	41,233	176,499
Parry Sound.....	271,995	14,470	286,465
Patricia.....			
Peel.....	160,910	17,165	178,075
Perth.....	28,600	25,157	53,757
Peterborough.....	151,485	22,622	174,107
Prescott.....	24,375	5,120	29,495
Prince Edward.....	10,956	5,235	16,191
Rainy River.....	1,100	435	1,535
Renfrew.....	57,055	1,356	58,411
Russell.....	30,893	2,630	33,523
Simcoe.....	549,021	36,863	585,884
Stormont.....	5,355	4,825	10,180
Sudbury.....	29,275	2,595	31,870
Thunder Bay.....	4,700	1,025	5,725
Timiskaming.....	2,191	110	2,301
Victoria.....	46,152	6,578	52,730
Waterloo.....	106,658	28,173	134,831
Welland.....	75,855	34,949	110,804
Wellington.....	46,645	12,293	58,938
Wentworth.....	147,464	26,227	173,691
York.....	596,693	108,712	705,405
Totals.....	6,081,577	975,359	7,056,936



TABLE No. 3  
NUMBER OF TREES DISTRIBUTED EACH YEAR—1936-45

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Conifers	8,484,977	9,247,200	9,984,368	13,963,646	13,831,098	10,946,196	9,480,743	8,434,371	9,232,205	9,649,424
Hardwoods	1,247,544	1,350,371	1,740,752	2,487,607	2,907,437	2,327,438	1,621,904	1,896,198	1,767,174	1,631,557
Cuttings	413,222	418,173	527,415	470,653	528,162	237,665	200,540	192,348	.....	.....
Totals	10,144,843	11,015,744	12,252,535	16,921,906	17,266,697	13,511,299	11,303,187	10,522,917	10,999,379	11,280,981



A POWER PRUNER IN OPERATION IN VIVIAN FOREST



RELEASING A BALLOON TO CHECK WIND DIRECTION AND VELOCITY DURING  
SULPHUR FUMES INVESTIGATION WORK



## DIVISION OF RESEARCH

The Research Division was expanded very materially during the fiscal year 1945-46. During this period, two junior foresters were added to the staff and arrangements were completed with the Dominion Forest and Science Services, the National Research Council, the University of Toronto, the Ontario Research Foundation, the Royal Ontario Museum, and private companies, for co-operative investigations.

Extensive forest surveys, large scale insect control operations, and an expended sulphur dioxide study are the more prominent features of the Division's work during this period.

The following is a summary of projects and progress in the Research Division during the fiscal year ending March 31, 1946:

## BIOLOGICAL INVESTIGATIONS

## PROJECT I

*Regeneration and Silvicultural Studies*

*Object:* Information for sustained yield management.

To determine adequacy of stocking of desirable species following cutting and fire, and to devise methods to correct deficiencies. Experiments are or will be set up to check results in practice.

*Work accomplished:*

Surveys on 150,000 acres. 1930-33, 1943-45.

Surveys were carried on in the following areas in 1945; or are to be done in 1946.

(a) Clay Belt in Kapuskasing district: Prof. R. C. Hosie and four men. Co-operative effort with Spruce Falls Co. Continuation in 1946 by Prof. Hosie alone to check conclusions.

*Duration:* Indefinite.

Such information always necessary.

(b) Timagami: H. C. Larsson and four men surveyed conditions of pine regeneration in cut-over areas and uncut strip around lake. Report issued. To be followed up by establishment of permanent sample plots to determine mortality among pine.

*Staff:* H. C. Larsson

A. P. Leslie

14 students.

(c) Goulais River regeneration and growth survey: Co-operative effort with Dominion. Ontario supplied party leader, H. Graham, during 1945. Summer spent in relocating old areas. To be continued in 1946-47. Ontario co-operation limited in these years to road repairs. Report will be issued by the Dominion Forest Service.

(d) Port Arthur regeneration survey: A survey was carried on by 8 men under the direction of Peter Addison to bring knowledge of cut-over in this region up to par with the rest of the province. An interim report has been issued, but this work will continue into 1946-47 with from 12 to 15 men under H. C. Larsson.

(e) Kenora regeneration survey: This is a 1946 project employing 2 men under the immediate supervision of Mr. Cram, covering spruce and jack pine and red and white pine associations of the Kenora region.



## PROJECT II

*Object:* More adequate and lower cost seed supply for nurseries and direct seeding reforestation.

*Work accomplished:*  
Preliminary survey only

*Duration:* Indefinite.

Study of seeding habits of red and white pine and spruce to determine practicability of producing seed in large quantities from selected trees in a special area, and increasing yield by stimulating growth with hormones and other treatments as well as protection from insects. Under the direction of Dr. Duff, of the Botany Department, University of Toronto. Two students to be employed.

## PROJECT III

*Object:* Quick and economical establishment of desirable species in cut-over or derelict stands.

*Work accomplished:*  
Spraying of roads and portages.

*Duration:* Indefinite, if feasible.

*Staff:* A. P. Leslie  
1 student.

Shrub reduction in cut-over stands just before seed fall by use of 2-4-D herbicide. Shrub growth has been shown to be one of the principal factors in retarding establishment of regeneration. Experiments in mechanical reduction in parts of the U.S. have shown good results, and it is proposed to check the chemical method along with the mechanical in Ontario for cost and efficiency. This is the first reported use of this chemical for the purpose and has been planned by the Division since this weed killer first came out. Two men employed for one month in 1946. This method will also be used experimentally as a means of clearing roads and trails quickly and economically that are now mowed by hand.

## PROJECT IV

## SOILS

*Object:* Separation of agricultural and forest lands. Description forest soils.

*Work accomplished:*  
Surveys, Cochrane and Port Arthur on 100,000 acres.

*Staff:* G. A. Hills  
G. C. McLaren  
6 students

The object of the work is to separate agricultural from forest soils to simplify land settlement and forest management problems, and to classify forest soils to ensure their most productive use. Surveys employing 7 men, have been carried out in Port Arthur and Cochrane districts, and are to be carried on in the Cochrane and Parry Sound district in 1946. The Cochrane survey is to aid in settlement of Crown lands by setting aside forest soils for forest growth only. The Parry Sound survey is to classify forest soils on the plains adjacent to Huntsville.

## PROJECT V

## GAME AND FISH

*Object:* Increase and maintenance of game and fish resources.

These studies have the aim of increasing resources of game and fish in provincial parks and hence the tourist and scenic returns from the forest. Another

*Work accomplished:*  
Surveys in parts of Algonquin and Quetico Parks.

*Duration:* Indefinite.

*Staff:*  
Dr. C. H. D. Clarke  
Dr. W. J. K. Harkness  
15 students and graduates.

feature of the study is the necessity of detailed knowledge of the close relation existing between plants and animals in any particular environment. This knowledge of habits and life cycles of many animals, such as mice, is often necessary in successful forest establishment and management. The study of animals will be done by 8 men under the direction of Dr. C. H. D. Clarke. The study of fish will be done by 7 men under the direction of Prof. W. J. K. Harkness, of the University of Toronto.

## PROJECT VI

## PEST CONTROL EXPERIMENTS

*Object:* Control of destructive forest insect outbreaks.

*Work accomplished:*  
100 square miles sprayed Algonquin and Port Arthur districts 1944-45.

*Duration:* As long as need exists.

*Staff:*  
K. E. Stewart, loaned from Dominion Div. of Entomology.  
Dr. R. R. Longford  
H. D. Graham  
H. C. Larsson  
13 students.

This includes the DDT spraying program, to control the spruce budworm, which will cover some 35 square miles with varying concentrations of insecticide from 1 lb. to the acre and upward, and very close checking of the results on all forms of forest life. Two Canso aircraft are being purchased from War Assets Corporation and fitted with spraying equipment. Some 12 men under the direction of Mr. K. E. Stewart, of the Division of Entomology, of the Dominion Government, will be employed in laying out the experiment and checking the results of the spruce budworm. Various biologists, drawn from the groups employed on fish and game studies, will further check the results of the spraying on desirable life forms. This program will take the services of 13 men for most of the summer.

## ECONOMIC INVESTIGATIONS

### PROJECT VII

### *Stumpage Study*

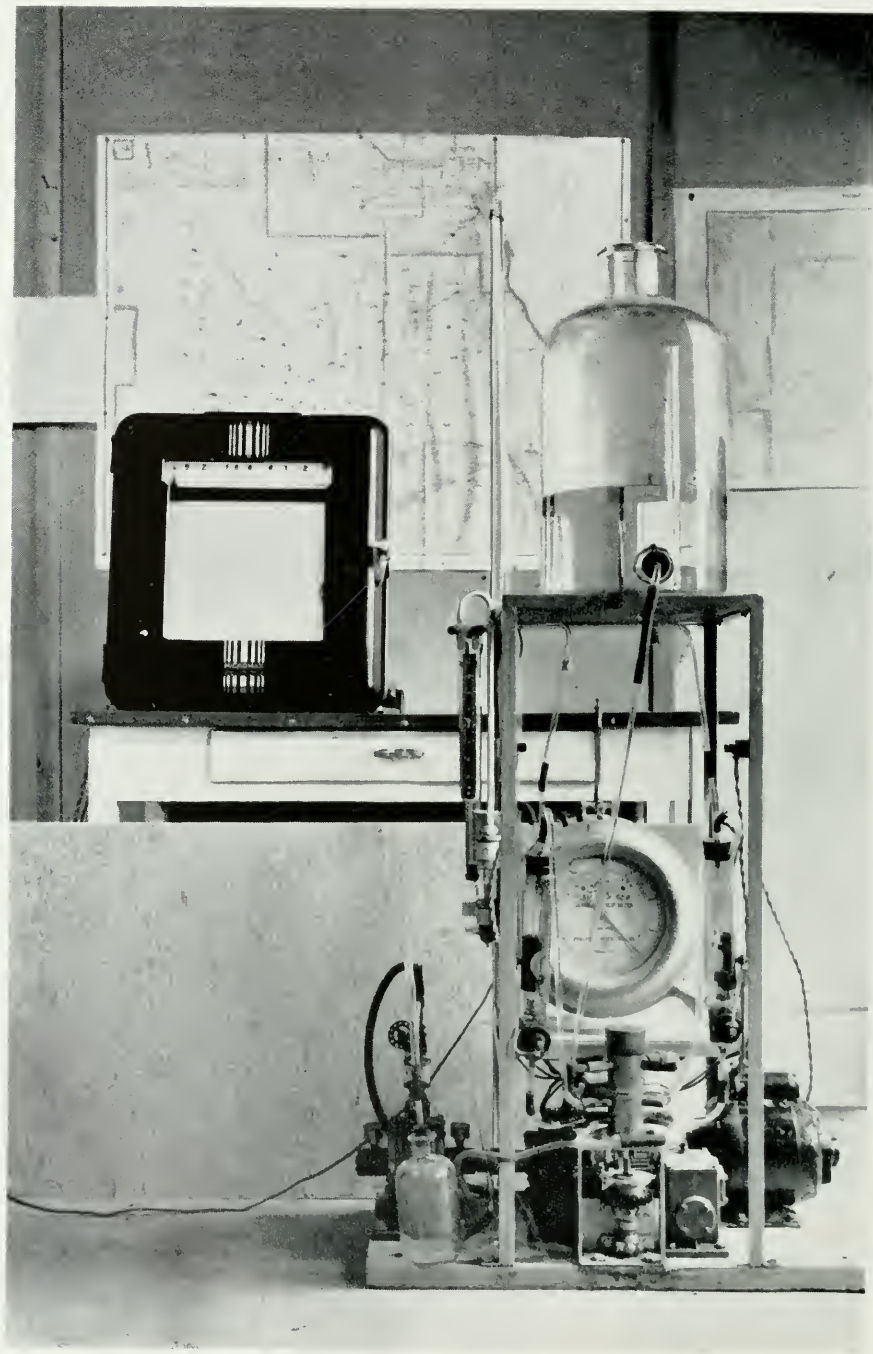
*Object:* Fair basis for upset price in sales by tender and permit prices for timber.

*Work accomplished:* Office study only.

*Duration:* 5 years.

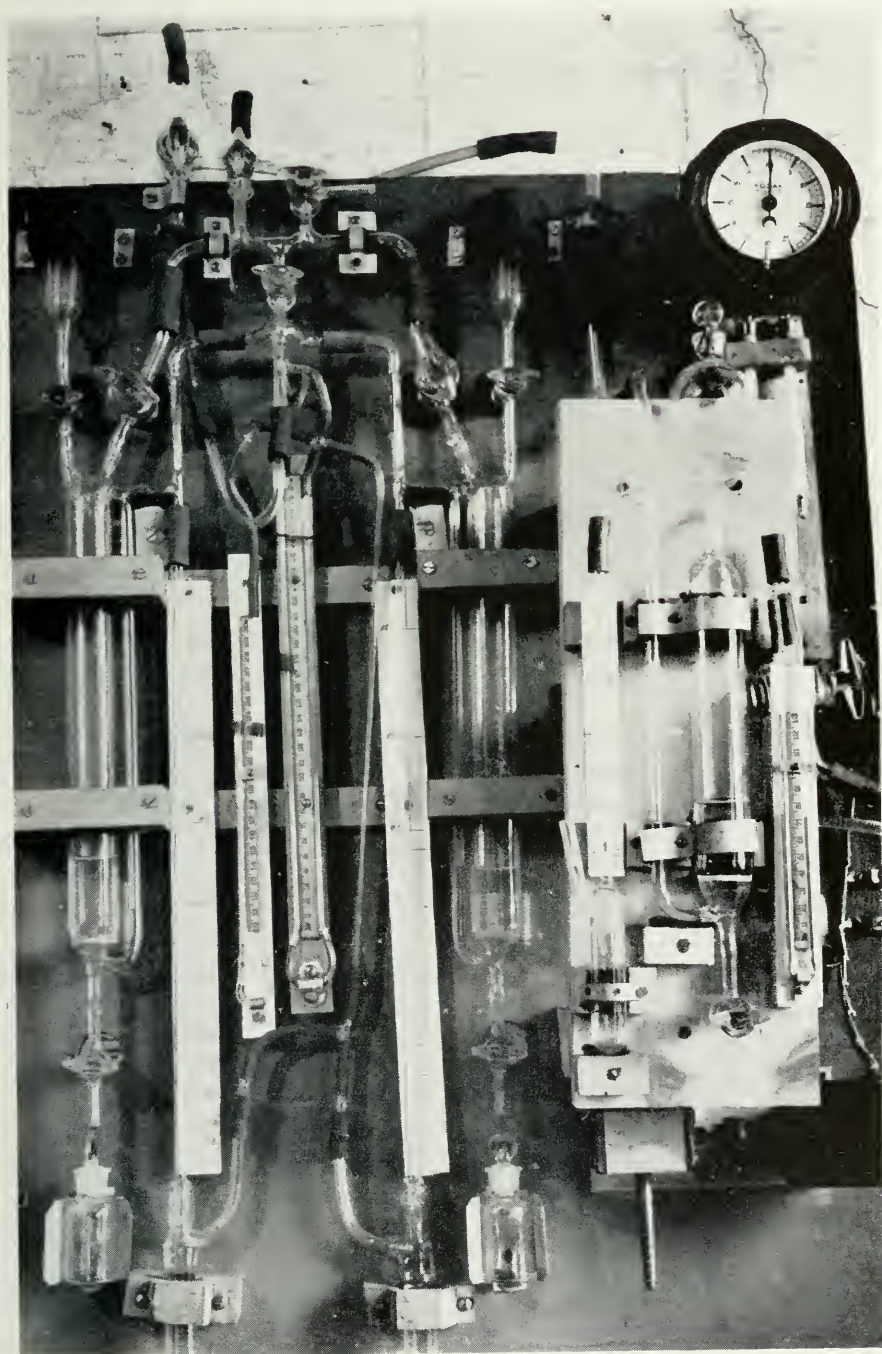
*Staff:* A. P. Leslie  
H. D. Graham

This work has been on an office basis for some time, but it is to be carried out in the field to determine a fair price to be used as a basis for competitive bidding in timber sales, and as a price basis for permit sales. The work is to start south of the French river, and will occupy 2 men for one year. Extension of the work north of the French river will take several years to complete.



CONTINUOUS SULPHUR DIOXIDE ANALYZER AND MICROMAX CONDUCTIVITY RECORDER





AEROPLANE SAMPLING UNIT FOR ATMOSPHERIC SULPHUR DIOXIDE AND SULPHUR TRIOXIDE—A DOUBLE UNIT FOR TESTING IN FLIGHT AND AT LAKE LEVEL



## MECHANICAL

## PROJECT VIII

*Object:* Value for expenditure in machinery purchased by Department through thorough testing and adaptation to use.

*Work accomplished 1946:* Installation of test equipment for pumps and hose; test of DDVA, Porto, and Johnson, Kiekhaefer pumps; design of infra-red light and vacuum cone drying equipment; work on spraying equipment for Canso plane in Project VI.

*Duration:* Indefinite.

*Staff:* M. H. Baker  
Assistant  
2 students.

## PROJECT IX

*Object:* Production of device suitable for releasing water or insecticide from floats of seaplane.

*Work accomplished:* Device installed and tested 1945

*Duration:* Further development during 1946.

*Staff:* C. C. Crossley, Provincial Air Service.

## PROJECT X

*Object:* Improvement in communications equipment within the Department.

*Work accomplished:* Report on enlisting communication network.

*Duration:* Indefinite.

*Staff:* Communications staff of Forest Protection Division. Outside consultants.

This involves the test and approval of new mechanical items which the department is called on to purchase. The large amount of mechanical equipment used in forestry work now makes a mechanical laboratory for adequate testing and possible redesign a necessity. The station, now at Maple, will save money over a period of time. The most pressing needs at present are tests of various fire pumps now in use, and improvement of design. Other items of equipment which are in line for development and improvement, are fire line trenchers, tree planters and seeders, as well as new types of fire hose, and preservatives for types now in use. An engineer, one assistant, and one student are employed full time on these projects.

This is a device originally designed for drenching incipient forest fires with water. It later appeared to have possibilities for applying insecticide sprays on small infestations. It consists of automatic valves attached to one compartment of each float on a seaplane. These valves open automatically when plane is taxiing, and close when the compartment is full of water. The liquid is manually released when the plane is in the desired position in the air. Mr. Carl Crossley is responsible for the present development of this device.

This is a cooperative project with other departmental divisions, especially the Division of Forest Protection. Much of the work is done by the staff of this division with the aid of outside consultants. A complete report on the departmental communications system has been made with recommendations for future development. A low drain receiver transmitter has been made for use in outlying tower and other sites that have no power supply, other than small generating units or batteries.

## CHEMICAL INVESTIGATIONS

## PROJECT XI

*Object:* To assess damage to forest growth by  $\text{SO}_2$  and other fumes from smelters at Coppercliff, Coniston and Falconbridge.

*Work accomplished:* Two years' survey work on the ground and in the air, 12 recording stations with 3 automatic recorders established. Growth measurements, soil and foliage analyses made.

*Duration:* Five years.

*Staff:* R. H. Murray,  
Department of Mines.  
8 assistants.

This work was organized in its present form in 1944. It is a cooperative venture with the International Nickel Co., the Falconbridge Nickel Co., the Department of Mines and the Department of Lands and Forests.

The entire cost is being paid by the Department of Lands and Forests.

Competent technical advice is available from the National Research Council, the Ontario Research Foundation.

By the terms of the agreement, the survey covers only the damage to forest land.

Sample of air are tested for  $\text{SO}_2$  at 12 ground stations, and by apparatus installed in an aircraft which takes air and ground measurements at specified points. Records of smoke are kept by *all* fire towers within the affected areas.

## SOUTHERN RESEARCH STATION

## PROJECT XII

*Object:* Laboratory office and field space for various tests.

*Work accomplished:* Building program and establishment of offices well under way.

*Duration:* Indefinite.

*Staff:* All division staff.

This is to house mechanical test equipment, provide office and laboratory space for part of research staff, as well as ground space for various planting, seeding and machine tests. In addition, this area provides space for storage of departmental records, and for a fish study laboratory to be built by the Department of Zoology, University of Toronto. A superintendent's house is to be completed in 1946, and a soils laboratory equipped.

In addition to the above projects, there are several not yet clearly defined because of lack of suitable staff or other factors. They are:

1. Cooperative study on Abitibi limits at Iroquois Falls of growth, yield, and regeneration on sample plots established by the Company. This would require 4-6 men at 5-year intervals.
2. Large scale collection of black spruce seed for seeding accessible areas not now carrying a commercially valuable stand. This is dependent on a good seed year.
3. Seeding and planting experiments cooperatively with the Division of Reforestation. This involves the seeding of hardwoods, and preparation and planting of low land with the proper species.



COMPARING POINTS ON PHOTOGRAPHS WITH SLOTTED TEMPLATE LAYOUT

## DIVISION OF SURVEYS AND ENGINEERING

Southern Ontario, with a population of about four million people, representing about ninety per cent of the total population of the Province, contains 50,482 square miles. With the exceptions of the Townships of Sproule and Preston and an area west of Mowat Township, this part of the Province was completely surveyed into 588 township subdivisions, over a period of about one hundred years after the first township was surveyed in the year 1783.

In the vast territory of Northern Ontario, with its 362,100 square miles and a population of some 350,000 people, about twenty-three per cent of the area has been surveyed or blocked out into townships. These townships were surveyed primarily for land settlement purposes, and to facilitate the disposition of Crown Lands in areas where developments occurred in the mining and lumbering industries. For exploration and mapping purposes, and to provide ground control for aerial photography, some 3,775 miles of base and meridian lines have been surveyed on the ground, and over 15,000 miles of lake and river survey traverses have been completed.

This division is charged with the administration of ground surveys affecting Crown Lands, aerial surveys and engineering in relation to water power development, water storage and water control on navigable lakes and rivers in the Province. In controlling the water level of our lakes and streams, every effort is made to meet the requirements of the power companies, the lumbermen, and the tourists, who, by their own individual needs, require the use of the water at different seasons of the year.

In conjunction with The Hydro-Electric Power Commission of Ontario, plans were formulated for the survey of some 11,000 acres of lands adjacent to the Ottawa River which will be flooded when the power dam at the Des Joachims rapids is constructed to raise the water of the Ottawa River to the head-water elevation of 500 feet above mean sea level. The initial development, which will supply an additional 360,000 horse power, will necessitate the relocation of portions of the Canadian Pacific Railway and the King's Highway.

At the present time, there is a dearth of qualified Ontario Land Surveyors who are in a position to undertake surveys required by this Department. Due to this condition, and the increasing demand for Crown Lands for summer resort purposes, there is a back-log of surveys to be made. It is expected, however, that the situation will soon be relieved, as many ex-members of the Armed Services are taking required academic courses so that they may take out articles of apprenticeship to become land surveyors.

Negotiations were entered into for the photography, mapping, and timber typing of approximately 150,000 square miles in the Northern Portion of the Province. This will provide an accurate inventory of the forest resources, and it is anticipated that this work will be completed in the next five years.

The following aerial and ground surveys were undertaken during the fiscal year ending March 31, 1946.



## GROUND SURVEYS SECTION

Survey instructions were issued for the following surveys:—

*Crown Surveys*

1. Additional Summer Resort Locations in Rondeau Provincial Park.
2. Summer Resort Locations on Silver Queen Lake, Lot 8, Concession 5, Township of Leitch, District of Cochrane.
3. Extension to Whitney Town Plot, Township of Airy, District of Nipissing.
4. Water front lots, Red Lake, Township of Dome, District of Kenora (Patricia Portion).
5. Timber limit lines, Township of Clement, Belfast and Scholes, District of Nipissing.
6. Retracement survey, part of the north boundary of township of Abinger, County of Lennox and Addington.

*Municipal Surveys*

- No. 816—Line between Concessions X and XI across Lots 1 to 20 inclusive, Township of Lake, County of Hastings.
- No. 817—Line between Concessions III and IV and between Concessions IV and V across Lots 16 to 25, inclusive, Township of Lake, County of Hastings and the south boundary of the Township of Lake across Concessions I to IV inclusive.

*Private Survey on Crown Lands*

Under authority of Section 37 of the Public Lands Regulations, 358 summer resort locations were surveyed, and the returns of survey filed in the Department. One hundred and forty-three surveys of this number were surveyed under direct departmental instructions to the surveyor, where the applicant paid in the sixty dollar fee as specified in Section 37 of the Public Lands Regulations.

*Townsite Subdivisions*

The following subdivisions were surveyed on privately owned lands subject to the provisions of the Townsites Act. A cash consideration was accepted by the Crown in lieu of selecting one quarter of the number of lots as surveyed.

1. Village of Moonbeam—being part of Lot II, Concession 3, Township of Fauquier, District of Cochrane.
2. Marathon Townsite—being part of Lot 21, Concession 9, and part of Lot 21, Concession 10, Township of Pic, District of Thunder Bay.

*Maps and Publications*

The following maps and booklets were revised and printed:—

- Map 20A—Province of Ontario revised reprint. 30,000 copies, lithographed.
- Map 32C—Lake Timagami Area, revised. 4,000 copies lithographed.
- Booklet—"List of Townships" revised and reprinted. 500 copies.

# ORGANIZATION CHART 1945-1946 DIVISION OF SURVEYS AND ENGINEERING

C.H. FULLERTON  
CHIEF

ADMINISTRATION, WATER POWERS  
DAMS

## AERIAL SURVEYS

## GROUND SURVEYS

SECRETARY

J.M. BISHOP  
HEAD CLERK

W.F. WEAVER  
CHIEF INSPECTOR OF SURVEYS

### STENOGRAPHIC STAFF

N.A. BURWASH  
INSPECTOR OF SURVEYS  
CROWN SURVEYS  
INSTRUCTION  
EXAMINATION OF SURVEY RETURNS  
REPRODUCTION OF LEGAL DESCRIPTIONS.

G.E. WARD  
INSPECTOR OF SURVEYS  
FIELD INSPECTION  
FIELD SURVEYS  
LEGAL DESCRIPTIONS

W.H. KEARNS  
SR AERIAL PHOTOGRAPHER  
PHOTOGRAPHY

W. VANCE  
SR PROCESSOR  
PHOTOGRAPHIC PROCESSING

J.R.G. SMYTH  
SR PHOTOGRAMMETRIST  
MAPPING  
PHOTOGRAMMETRY

### STENOGRAPHIC STAFF

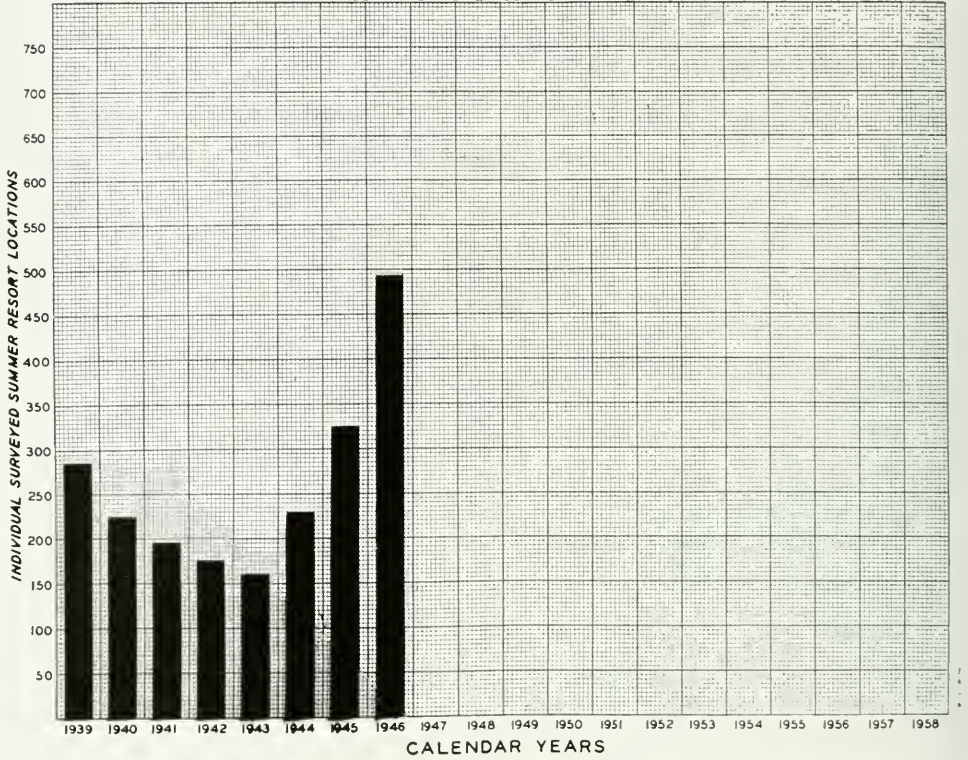
W.H. HEATH  
CHIEF GEOGRAPHER  
COMPILED & LITING  
REPRODUCTION OF MAPS

F.L. BARR  
SR MAP DRAUGHTSMAN  
EXAMINATION OF ALL  
SURVEY RETURNS, CROWN  
SURVEYS  
LEGAL DESCRIPTIONS.

E.J. DODD  
SR DRAUGHTSMAN  
COMPILED OF  
TOPOG. SURVEYS  
MAPS, CHARTS, ETC.

W.E. CARROLL  
SR DRAUGHTSMAN  
MAP SALES  
SURVEY  
TOPOG. SURVEYS  
LIBRARY, PURCHASING  
PHOTOSTATS, PRINTING.

SURVEYED SUMMER RESORT LOCATIONS ON CROWN LAND EXAMINED BY THE  
DIVISION OF SURVEYS AND ENGINEERING  
DEPARTMENT OF LANDS AND FORESTS



FEEDING PROCESSED PHOTOSTATS OF MAPS INTO A DRYER

*Distribution of Maps*

National Topographic Series.....	5500
----------------------------------	------

*Provincial Maps*

Free Issues (20A, 42A, 33A).....	3400
District Maps.....	7300
Miscellaneous Maps.....	1250
Island Maps.....	50
Total.....	17,500

Approximate estimate of 20% are distributed free.

## Revenue from sale of maps, printing and photostats.

Cash receipts over the counter.....	\$ 1,485.00
Cash receipts from charges.....	4,626.00
Total cash receipts Approx.....	\$ 6,111.00

*Photostats*

Value of Photostating done for all Divisions and District Offices other than the Division of Surveys & Engineering.

These amounts are based on the regular price less 20%

## DIVISIONS

Accounts.....	\$ 49.40
Forest Protection.....	34.76
Lands & Recreational Areas.....	160.37
Law.....	18.46
Main Office.....	437.87
Operation & Personnel.....	237.30
Reforestation.....	45.99
Research.....	355.46
Timber Management.....	615.28
Total.....	\$1,954.89

## DISTRICT OFFICES

Cochrane.....	\$ 55.98
Kapuskasing.....	41.62
Kenora.....	31.20
North Bay.....	42.36
Port Arthur.....	8.40
Sault Ste. Marie.....	3.60
Sudbury.....	57.49
Total.....	\$ 240.65
TOTAL.....	\$2,195.54



## AERIAL SURVEYS SECTION

During the fiscal year the Aerial Surveys Section covered 9,255 square miles with vertical photography.

Of this total, 8,699 square miles were done for Departments of the Provincial Government, including the Hydro-Electric Power Commission. The remainder, 556 square miles, was for timber and pulp companies which had the right to cut on Crown Lands.

The following table illustrates the breakdown of these figures:—

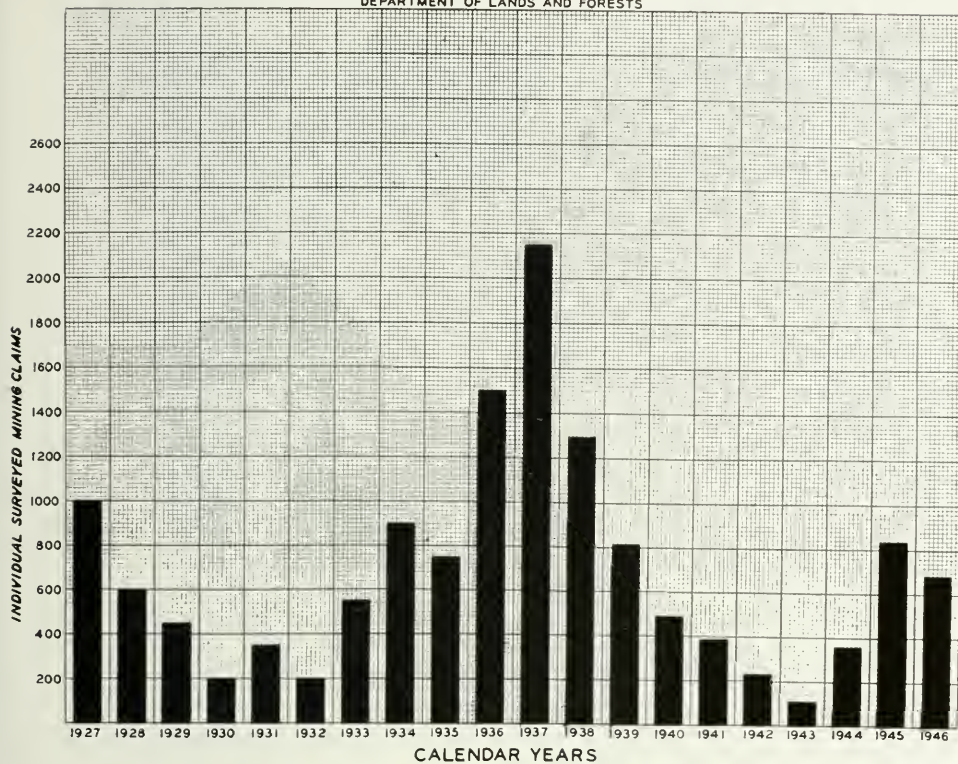
	Area (Sq. Miles)	Totals
FOR TIMBER COMPANIES		
*Northern Paper Mills.....	100	556
Marathon Paper Mills.....	316	
Kimberley-Clark Corporation.....	36	
Ontario-Minnesota P. & P. Co.....	104	
OTHER GOVERNMENT DEPARTMENTS		
Highways.....	2495	5779
*Hydro Electric Power Commission.....	973	
*Mines.....	524	
Planning and Development.....	1787	
DEPARTMENT OF LANDS AND FORESTS		
*Batch-Goulais R. Area.....	1800	2920
Cochrane Area.....	700	
*Kirkwood Extension.....	350	
*Finlayson Lake Area.....	70	
Grand Total .....		9255

\*Denotes Mapping Included.



PLOTTING PHOTOGRAPHS BY THE SLOTTED TEMPLATE METHOD

**SURVEYED MINING CLAIMS ON CROWN LAND EXAMINED BY THE  
DIVISION OF SURVEYS AND ENGINEERING  
DEPARTMENT OF LANDS AND FORESTS**



COMPARING PHOTOGRAPHS WITH BASE MAP





WINTER BUSH TRAIL IN THE FORESTS OF TIMAGAMI

## DIVISION OF TIMBER MANAGEMENT

A strong post-war demand for all kinds of forest products continued during the year 1945-46 which was reflected in increased timber operations throughout the Province. The shortage of labor was alleviated by the continued use of prisoners-of-war, and with a somewhat easier situation regarding equipment and materials, overall production was considerably increased. While there was some reduction in the quantities of sawlogs and ties produced, there was a substantial increase in pulpwood production, resulting in an increase in the amount of stumpage charged of nearly 20% over the previous year. An early spring breakup, somewhat similar to the previous year, again prevented a quantity of logs and pulpwood reaching the mills.

A statement of timber cut during 1944-45 and returned in 1945 is shown on page 121. Statements showing production by Administrative Districts of the Province for 1944-45 are also shown on pages 122 to 139 inclusive.

*Timber Sales—1945-46*

During the season there were 50 new sales of timber, 120.25 square miles of timber being sold. Details of the sales are given on pages 143 to 152 inclusive.

In the same period, 39 timber licenses comprising 314.50 square miles were abandoned, details being given on pages 154 to 157 inclusive.

As at March 31st, 1946 the status of the timber licensed areas in Ontario, was as follows:

	No.	Area Sq. Miles
Licenses and Renewals Issued 1945-46:.....	893	11,978.50
Licenses in suspense:.....	43	264.50
	936	12,243.00

This is 1631.50 square miles less than that under license at the end of the previous fiscal year.

*Pulpwood and Timber Agreements*

As at March 31st, 1946, the area held under pulpwood concession and timber agreement was 53,754 square miles.

During the season 15 new agreements were entered into.

Details of the 15 new agreements are reproduced on pages 163 to 258 inclusive.

## MILLS LICENSED—1945-46

The mills licensed during the season, under the regulations of the Mills Licensing Act, were as follows:

Less than 5,000 feet.....	515
5,000 to 30,000 feet.....	589
Over 30,000 feet.....	36
Number of Paper Mills.....	31

---

1171

## PULPWOOD EXPORTS

During the calendar year, January 1 to December 31, 1945, 594,355 cords of pulpwood, all species, were exported from Ontario. Of this total, 395,441 cords were exported from Ontario Crown lands, the balance of 153,914 cords from private lands. This represents an increase of 164,776 cords compared to the previous year, of which 145,220 cords is an increase in Crown lands exports.



Detailed statements of pulpwood exports are shown on pages 140 and 141.

### SCALING

Scaling examinations were held during 1945 as follows:

- (1) Algonquin Park.....October 12th
- (2) Fort William.....September 1st
- (3) Minden.....May 11th
- (4) Thessalon.....June 1st

The results were as follows:

	Algonquin Park	Fort William	Minden	Thessalon
Number of Candidates.....	29	56	39	34
Number obtaining full licenses.....	20	9	15	20
Number obtaining Pulpwood license..	3	11	8	2

The remainder of the candidates were either recommended for licenses after further experience, or were unsuccessful.

### AREA UNDER PULPWOOD AND TIMBER AGREEMENT

FISCAL YEAR	Sq. Miles
1936-37.....	52,898.25
1937-38.....	54,625.50
1938-39.....	62,643.00
1939-40.....	65,330.00
1940-41.....	65,497.50
1941-42.....	66,509.50
1942-43.....	71,636.50
1943-44.....	56,690.50
1944-45.....	59,353.00
1945-46.....	53,754.00

### TABLES

Table No. 1—Statement of amounts of timber cut during the year ending March 31, 1945.

Table No. 2—Classification of annual timber returns for the year ending March 31, 1945, by Districts.

- a. Cochrane
- b. Fort Frances
- c. Geraldton
- d. Kapuskasing
- e. Kenora
- f. North Bay
- g. Parry Sound
- h. Algonquin
- i. Port Arthur
- j. Sault Ste. Marie
- k. Sioux Lookout
- l. Sudbury
- m. Tweed

Table No. 3—Exported pulpwood—cords, for the year ending March 31, 1945.

Table No. 4—Exported pulpwood—species, for the year ending March 31, 1945.

Table No. 5—Timber areas sold during the year ending March 31, 1945.

Table No. 6—Timber areas abandoned during the year ending March 31, 1945.

Table No. 7—Timber areas transferred during the year ending March 31, 1945.

TABLE NO. 1

STATEMENT OF AMOUNT OF TIMBER CUT  
FOR THE YEAR ENDING MARCH 31, 1945

Species	Pieces	Feet	Cords	Equivalent Volume in Cubic Feet
White and Red Pine.	1,860,067	87,679,041		23,332,974
Jack Pine.....	5,026,563	73,596,048	185,525.66	48,551,558
Spruce.....	2,226,639	51,777,420	1,498,637.86	155,427,120
Balsam.....	46,348	773,387	110,716.48	10,293,738
Hemlock.....	486,029	17,650,757		5,222,960
Birch.....	196,609	13,368,235		2,914,224
Maple.....	88,228	4,873,446		1,208,504
Other Hardwoods...	48,572	1,701,446		386,566
Poplar.....	565,799	10,594,619	18,807.56	6,036,170
Cedar.....	5,612	87,702		39,411
T. mirac.....	1,356	16,861		8,298
	10,551,822	262,118,962	1,813,687.56	253,421,523
	Pieces	Lin.-ft.	Cords	Cu. ft.
Ties.....	391,731			1,175,193
Poles.....	44,026			440,260
Posts.....	12,450			18,675
Fuelwood.....			25,587.86	2,302,920
Lagging and Mining Timber.....		485,179		
Miscellaneous.....	10,671			



FREEING LOGS ON THE MISSISSAGI RIVER

TABLE No. 2a

## COCHRANE DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

Species	Pieces	Feet	Dues	Bonus	Trespass	Total
Pine Logs.....	37,889	2,975,659	\$ 7,439.13	\$ 21,887.45		\$ 29,326.58
Pine Booms.....	5	830	2.07	8.71		10.78
Jack Pine Logs.....	1,700,591	18,609,085	37,204.01	98,349.85		135,553.86
Tres.....	2,941	26,309	65.77		513.02	578.79
Jack Pine Booms.....	1,551	129,901	324.74	693.98		1,018.72
Tres.....	9	121	30		2.36	2.66
Balsam Logs.....	12,637	285,430	570.85	1,464.81		2,035.66
Tres.....	312	8,515	17.03		103.88	120.91
Birch Logs.....	455	6,823	17.06	17.16		34.22
Cedar Logs.....	63	1,313	1.97	4.77		6.74
Poplar Logs.....	313,297	5,851,181	11,702.36	19,289.45		30,991.81
Spruce Logs.....	440,528	11,273,620	22,547.26	62,058.28		84,605.54
Tres.....	21,313	391,257	782.52		6,711.08	7,493.60
Spruce Booms.....	3,434	305,789	737.65	1,757.31		2,494.96
Hard Fuel Wood.....		613.20	306.59	91.86		398.45
Soft Fuel Wood.....		2,322.45	580.59	856.21		1,436.80
Ties.....	907		90.70	54.42		145.12
Poles.....	922		298.25	416.35		714.60
Posts.....	385		7.70	37.00		44.70
Balsam P. Wood.....		7,912.61	5,538.81	1,451.30		6,990.11
Tres.....		147.19	103.03		233.20	336.23
Jack Pine Pulpwood.....		470.11	188.05	82.07		270.12
Poplar Pulp Wood.....		4,471.07	1,788.43	979.98		2,768.41
Spruce Pulp Wood.....		246,865.80	345,579.29	35,147.10		380,736.39
Tres.....		1,669.34	2,337.08		1,995.88	4,332.96
Pit Props.....	J. Pine	419.57	167.83	251.74		419.57
	Spruce	1,296.05	799.44	697.48		1,496.92
Tres.....	Spruce	12.04	16.86		12.04	28.90
Pit Props (Exported).....	J. Pine	419.57		104.89		104.89
	Spruce	1,345.40		807.05		807.05
Pulp (Exported).....	Balsam	205.30		133.44		133.44
	J. Pine	7.78		1.94		1.94
	Spruce	9,824.07		6,385.63		6,385.63
			\$439,215.37	\$253,040.23	9,571.46	\$701,827.06

## Permits

Pine.....	13,280 Ft. B. M.
J. Pine.....	2,307,379 Ft. B. M.
Spruce.....	683,801 Ft. B. M.
Poplar.....	891,468 Ft. B. M.
Balsam.....	5,537 Ft. B. M.
Spruce P. W.....	17,657.65 Cords
Poplar P. W.....	10,958.68 Cords
J. Pine P. W.....	59.83 Cords
Ties.....	20,804 Pieces
Posts.....	451 Pieces

TABLE No. 2b

## FORT FRANCES DISTRICT

## CLASSIFICATION OF ANNUAL TIMBER RETURN

FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	4,091	151,298	\$ 378.23	\$ 701.38	\$ 1,079.61
Pine Booms.....	576	99,142	247.85	496.86	744.71
J. Pine Logs.....	113,552	1,488,436	2,512.49	5,396.02	7,908.51
J. Pine Booms.....	858	45,634	114.09	119.34	233.43
Balsam Logs.....	298	1,456	2.91	4.37	7.28
Birch Logs.....	677	18,069	45.17	54.21	99.38
Cedar Logs.....	35	352	.53	1.23	1.76
Poplar Logs.....	15,751	200,391	100.79	213.73	614.52
Spruce Logs.....	8,933	110,763	221.53	431.28	652.81
Spruce Booms.....	329	43,741	109.34	175.48	284.82
Piling (Lin-Ft.).....		10,309	103.09		103.09
Fuelwood (Soft).....		1,030.00	257.50	150.75	408.25
Poles.....	35		8.75		8.75
Posts.....	9,572		191.44	30.02	221.46
Balsam P. Wood.....		126.00	88.20	9.73	97.93
J. Pine P. Wood.....		8,387.40	3,354.96	1,110.99	4,765.95
Poplar P. Wood.....		1,005.27	402.10	106.33	508.43
Spruce P. Wood.....		38,545.57	53,963.80	9,527.74	63,491.54
Pulpwood (Exported)....	J. Pine	7,900.95		1,975.24	1,975.24
			\$ 62,402.77	\$ 20,804.70	\$ 83,207.47

## Permits

Pine.....	165,559 Ft. B. M.
J. Pine.....	25,620 Ft. B. M.
Spruce.....	7,690 Ft. B. M.
Poplar.....	425,253 Ft. B. M.
Balsam.....	1,250 Ft. B. M.
J. P. Pulp.....	660.62 Cords
Spruce Pulp.....	855.90 Cords
Balsam Pulp.....	22.81 Cords
Poplar Pulp.....	2,454.76 Cords
S. F. Wood.....	2,188.37 Cords
H. Pulp.....	155.00 Cords
Posts.....	7.962 Pieces





POINTERS OR RIVER-BOATS USED ON THE MISSISSAGI RIVER



FEED BOOM FOR THE AUBREY FALLS FLUME

TABLE No. 2c

## GERALDTON DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
J. Pine Logs.....	138,276	2,005,011	\$ 5,005.72	\$ 9,224.04	\$ 14,229.76
J. Pine Booms.....	254	16,940	42.34	81.30	123.64
Balsam Logs.....	487	3,537	7.08	12.59	19.67
Birch Logs.....	79	1,180	2.95	5.31	8.26
Poplar Logs.....	11,878	294,148	588.29	149.77	738.06
Spruce Logs.....	38,854	587,898	1,175.80	3,212.82	4,388.62
Spruce Booms.....	606	99,121	247.80	571.39	819.19
Piling (Lin. ft.).....	8,012	323,779	11,127.13		11,127.13
Poles (Cu. ft.).....	21,414	322,687.19	13,417.57		13,417.57
Balsam P. Wood.....		10,402.26	7,281.58	4,122.70	11,404.28
J. Pine P. Wood.....		30,473.88	12,189.55	1,443.90	13,633.45
Spruce P. Wood.....		155,027.69	217,034.95	22,473.97	239,508.92
P. Wood Exported					
Balsam.....		5,392.16		3,504.90	3,504.90
J. Pine.....		14,476.50		3,619.12	3,619.12
Spruce.....		123,420.02		80,223.01	80,223.01
			\$268,120.76	\$128,644.82	\$396,765.58

## Permits

J. Pine.....	337,696 Ft. B. M.
Spruce.....	10,250 Ft. B. M.
Poplar.....	1,642 Ft. B. M.
Poles.....	1,050 Lin-Ft.
Posts.....	10 Pieces
Fuelwood (Hard).....	810 Cords
Fuelwood (Soft).....	2,670 Cords

TABLE No. 2d

## KAPUSKASING DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Trespass	Total
J. Pine Logs.....	51,081	1,258,363	\$ 2,706.67	\$ 5,413.90		\$ 8,120.57
J. Pine Booms.....	999	77,750	194.37	357.87		552.24
Balsam Logs.....	328	4,976	9.95	22.39		32.34
Poplar Logs.....	24,641	670,478	1,340.95	784.53		2,125.48
Spruce Logs.....	688,300	13,649,643	27,299.30	49,405.26		76,704.56
Tres.....	1,912	91,866	183.73		962.99	1,146.72
Spruce Booms.....	1,760	162,462	406.14	724.03		1,130.17
Tres.....	79	6,579	16.45		36.18	52.63
Piling Lin Ft.....	404	12,665	316.62			316.62
Piling Cu-Ft.....	38,036	266,785.03	4,802.13			4,802.13
Hard F. Wood.....		533.66	266.82	26.68		293.50
Ties.....	4,550		455.00	81.00		536.00
Posts.....	426		8.52	8.52		17.04
Balsam P. Wood.....		32,856.54	22,999.58	17,741.16		40,740.74
J. Pine P. Wood.....		17.10	6.84			6.84
Spruce P. Wood.....		389,090.75	544,470.80	131,932.60		676,403.40
Tres.....		357.16	500.02		89.29	589.31
P. Wood (Exported).	Balsam	1,064.47		691.91		691.91
	J. Pine	17.10		4.27		4.27
	Spruce	168,128.43		109,283.45		109,283.45
			\$605,983.89	\$316,477.57	1,088.46	\$923,549.92

## Permits

J. Pine.....	2,894 Ft. B. M.
Spruce.....	558,182 Ft. B. M.
Poplar.....	878,600 Ft. B. M.
Cedar.....	1,000 Ft. B. M.
Spruce.....	83,262 Cu-Ft.
P. Wood.....	17,013.84 Cords
Cedar.....	25.25 Cords
H. F. Wood.....	850.39 Cords
M. F. Wood.....	563.79 Cords
S. F. Wood.....	2,572.31 Cords
Ties.....	4,000 Pcs.
Poles.....	625 Pcs.
Posts.....	165 Pcs.

TABLE NO. 2c

## KENORA DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	65,413	3,226,784	\$ 8,066.95	\$ 10,132.70	\$ 18,499.65
Pine Booms.....	688	206,847	517.10	782.75	1,299.85
J. Pine Logs.....	130,232	1,778,419	3,733.96	5,539.72	9,273.68
J. Pine Dim.....	666	17,446	43.61	107.96	151.57
Balsam Logs.....	113	2,161	4.32	4.32	8.64
Poplar Logs.....	594	8,145	16.29	8.14	24.43
Spruce Logs.....	64,529	911,475	1,822.95	3,472.10	5,295.05
Spruce Booms.....	1,895	264,613	661.52	1,589.19	2,250.71
Piling Lin-Ft.....	4,108	51,066	170.22		170.22
Hard F. Wood.....		71.66	35.02	9.98	45.80
Soft F. Wood.....		2,995.71	748.92	304.77	1,053.68
Ties.....	24,378		2,437.80	1,006.91	3,444.71
Balsam P. Wood.....		4,068.05	2,847.64	103.65	2,951.29
J. Pine P. Wood.....		71,618.76	28,606.98	10,089.42	38,696.40
Poplar P. Wood.....		625.78	223.16	39.99	263.15
Spruce P. Wood.....		73,819.66	103,347.51	15,336.36	118,683.87
P. Wood Exported.....	J. Pine	639.86		159.96	159.96
			\$153,284.75	\$48,987.92	\$202,272.67

## Permits

Pine.....	30,000 Ft. B. M.
Spruce.....	82,976 Ft. B. M.
Lin-Ft. Spruce.....	2,458 Lin-Ft.
Pulpwood.....	605 Cords
Fuelwood.....	5,800 Cords



TABLE NO. 2f

## NORTH BAY DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945.

	Pieces	Feet	Dues	Bonus	Trespass	Total
Pine Logs.....	870,294	42,965,855	\$107,414.46	\$282,084.91		\$389,499.37
Pine Booms.....	6,413	753,354	1,883.38	4,356.39		6,239.77
J. Pine Logs.....	215,624	2,433,795	5,166.19	10,784.68		15,950.87
J. Pine Booms.....	557	62,002	155.01	284.58		439.59
Ash Logs.....	116	3,964	9.91			9.91
Bass Logs.....	4,812	101,855	254.63			254.63
Balsam Logs.....	401	5,392	10.79	1.20		11.99
Birch Logs.....	49,766	3,641,457	9,103.64	2,374.04		11,477.68
Cedar Logs.....	205	3,906	5.86	1.96		7.82
Elm Logs.....	28	2,283	5.71			5.71
Hemlock Logs.....	20,129	651,773	977.65	232.12		1,209.77
Maple Logs.....	765	33,734	84.33	43.21		127.54
Oak Logs.....	44	1,709	4.52	8.49		13.01
Poplar Logs.....	27,336	436,728	873.45	1,080.63		1,954.08
Spruce Logs.....	51,364	986,032	1,972.08	3,340.98		5,313.06
Spruce Booms.....	419	42,043	105.09	95.74		200.83
Tamarac Logs.....	40	435	.65			.65
Hard F. Wood.....		2,639.49	1,319.74			1,319.74
Soft F. Wood.....		28.25	7.06	4.24		21.30
Poles.....	1,010		302.25	169.20		471.45
Balsam P. Wood.....		119.54	83.67	3.82		87.49
J. Pine P. Wood.....		2,680.03	1,072.02	268.01		1,340.03
Tres.....		503.00	201.20		301.80	503.00
Poplar P. Wood.....		1,596.38	638.56	132.86		771.42
Spruce P. Wood.....		14,386.18	20,140.66	1,883.29		22,023.95
J. Pine Pit Props.....		996.07	398.43	597.65		996.08
Pulpwood Exported..		106.05		26.51		26.51
Pit Props Exported..		996.07		249.01		249.01
			\$152,190.94	\$308,023.52	\$301.80	\$460,516.26

## Permits

All Timber..... 2,829,292 Ft. B. M.  
 Ties..... 8,431 Pcs.  
 Pulpwood..... 6,036.06 Cords  
 Fuelwood..... 24,151.00 Cords



THE AUBREY FALLS FLUME



RIVER DRIVERS BREAKING UP A LOG JAM ON THE MONTREAL RIVER



TABLE No. 2g

## PARRY SOUND DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	25,098	1,229,444	\$3,073.57	\$1,141.61	\$4,215.18
Pine Booms.....	45	2,292	5.73	12.18	17.91
J. Pine Logs.....	288	2,693	6.73		6.73
Ash Logs.....	953	46,504	116.24	13.27	129.51
Balsam Logs.....	3,560	45,899	91.78		91.78
Basswood Logs.....	8,150	327,688	\$19.20	63.61	\$82.81
Beech Logs.....	939	51,847	129.62	66.46	196.08
Birch Logs.....	67,959	4,990,113	12,475.23	7,313.97	19,789.20
Cherry Logs.....	148	4,788	11.96		11.96
Cedar Logs.....	451	6,774	10.17		10.17
Elm Logs.....	1,371	91,975	229.91	31.17	261.08
Hemlock Logs.....	225,424	8,640,869	12,959.26	2,202.45	15,161.71
Hemlock Booms.....	213	16,157	40.38		40.38
Maple Logs.....	25,813	1,523,156	3,807.85	1,710.53	5,518.38
Oak Logs.....	183	11,513	28.78		28.78
Poplar Logs.....	220	4,823	11.64	5.24	16.88
Spruce Logs.....	38,749	973,651	1,947.32	305.34	2,252.66
Spruce Booms.....	571	51,086	127.68	11.53	139.21
Tamarac Logs.....	35	422	.63		.63
Hard Fuelwood..... cds.		4,814.87	2,407.42	26.25	2,433.67
Soft Fuelwood..... cds.		4,009.50	1,002.37		1,002.37
Posts..... pcs.		610	12.20		12.20
Poplar P. Wood..... cds.		56.00	22.40	11.20	33.60
			\$39,338.07	\$12,914.81	\$52,252.88

## Permits

Pine.....	151,000 Ft. B. M.
H. Wood.....	261,000 Ft. B. M.
Hemlock.....	387,000 Ft. B. M.
Spruce.....	53,000 Ft. B. M.
Pulpwood.....	260 Cords
Fuelwood.....	3,000 Cords



TABLE NO. 2b

## ALGONQUIN DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

Species	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	174,311	7,167,758	\$ 17,919.76	\$ 4,655.48	\$ 22,575.24
Pine Booms.....	264	12,788	31.96	95.90	127.86
J. Pine Logs.....	93,568	1,410,025	3,525.05	1,044.63	4,569.68
Ash Logs.....	194	9,448	23.62	13.00	36.62
Balsam Logs.....	2,232	28,558	57.11	73.63	130.74
Basswood Logs.....	4,051	104,509	261.25	169.36	430.61
Beech Logs.....	521	19,121	47.80		47.80
Birch Logs.....	42,765	2,615,568	6,538.90	5,757.81	12,296.71
Cedar Logs.....	596	8,723	13.08		13.08
Elm Logs.....	460	32,542	81.36	120.04	201.40
Hemlock Logs.....	77,731	3,213,543	4,820.31	286.30	5,106.61
Maple Logs.....	30,347	1,544,652	3,861.60	4,475.78	8,337.38
Oak Logs.....	102	3,725	9.31	2.04	11.35
Poplar Logs.....	116,287	2,437,395	4,874.80	4,208.43	9,083.23
Spruce Logs.....	57,549	1,351,125	3,037.43	2,163.85	5,201.28
Spruce Booms.....	4,629	516,853	1,292.12	1,147.76	2,439.88
Tamarac Logs.....	56	906	1.36		1.36
Hard Fuel Wood.....		2,117.13	1,058.57	112.75	1,171.32
Soft Fuel Wood.....		1,275.50	318.87		318.87
Poles.....	4,116		732.16	1,595.25	2,327.41
Poles (Lin. Ft.).....	216	6,023	100.75		100.75
Poles (Cu. Ft.).....	8,557	94,037.61	4,579.73		4,579.73
Posts.....	64		1.28		1.28
Balsam P. Wood.....		1,153.92	807.73	69.81	877.54
Poplar P. Wood.....		4,098.17	1,639.27	133.74	1,773.01
Spruce P. Wood.....		9,723.57	13,613.01	16.96	13,629.97
			\$ 69,248.19	\$ 26,142.52	\$ 95,390.71

## Permits

Pine.....	26,299 Ft. B. M.
J. Pine.....	2,000 Ft. B. M.
Hemlock.....	20,030 Ft. B. M.
Spruce.....	24,373 Ft. B. M.
Birch.....	53,056 Ft. B. M.
H. Wood.....	316,468 Ft. B. M.
Sundry Logs.....	12,624 Ft. B. M.
Poles.....	1,101 Pcs.
Fuelwood.....	1,043.79 Cords
Pulpwood.....	433.75 Cords

TABLE NO. 21

## PORT ARTHUR DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

Species	Pieces	Feet	Dues	Bonus	Trespass	Total
Pine Logs.....	31,690	1,200,153	3,000.35	6,431.78		9,432.13
Pine Booms.....	132	14,246	35.62	106.84		142.46
J. Pine Logs.....	1,121,580	18,910,775	46,943.43	16,115.59		63,059.02
J. Pine Booms.....	3,488	137,867	344.67	836.09		1,180.76
Balsam Logs.....	17,367	225,202	450.40	624.94		1,075.34
Birch Logs.....	120	1,536	3.84	2.30		6.14
Cedar Logs.....	1,547	28,094	42.14	98.32		140.46
Poplar Logs.....	20,660	259,790	519.58	681.62		1,201.20
Spruce Logs.....	430,651	9,819,260	19,638.52	201.98		50,840.50
Spruce Booms.....	12,296	2,202,320	5,505.77	12,737.47		18,243.24
Piling (Lin. Ft.)....		68,249	2,676.57			2,676.57
Ties.....	41,130		4,113.00	1,696.54		5,809.54
Poles (Cu. Ft.).....		39,097.43	2,210.36			2,210.36
Balsam P. Wood.....		32,283.23	22,551.50	18,030.51		10,582.01
Jack Pine P. Wood...		59,162.51	23,665.01	7,532.93		31,197.94
Trespass.....		176.00	70.40		281.60	352.00
Poplar P. Wood.....		4,954.27	1,981.71	1,516.49		3,498.20
Trespass.....		162.84	65.14		130.27	195.41
Spruce P. Wood.....		394,601.38	512,455.37	133,756.64		646,212.01
Trespass.....		14.50	20.30		23.20	43.50
Lagging (Lin. Ft.)...		1,600	5.33			5.33
Pulpwood Exported						
Balsam.....		6,341.20		4,121.78		4,121.78
J. Pine.....		27,639.70		6,909.91		6,909.91
Spruce.....		109,333.35		71,066.68		71,066.68
			\$646,299.01	\$313,468.41	\$435.07	\$960,202.49

## Permits

Pine.....	134,132 Ft. B. M.
J. Pine.....	676,517 Ft. B. M.
Spruce.....	62,001 Ft. B. M.
Balsam.....	37,340 Ft. B. M.
Poplar.....	170,644 Ft. B. M.
Cedar.....	204 Ft. B. M.
Poplar P. Wood.....	133.23 Cords
J. Pine P. Wood.....	60.00 Cords
Soft F. Wood.....	494.00 Cords
Hard F. Wood.....	1,024.00 Cords
Poles.....	30 Pcs.
Posts.....	700 Pcs.

TABLE No. 2j

## SAULT STE. MARIE DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
Pine Logs .....	178,670	10,183,149	\$ 25,457.84	\$ 28,906.11	\$ 54,363.95
Pine Booms .....	2,200	475,373	1,188.42	2,020.33	3,208.75
J. Pine Logs .....	188,523	3,784,391	9,460.87	11,862.86	21,323.73
J. Pine Booms .....	2,055	105,568	263.91	423.58	687.49
Balsam Logs .....	37	532	1.06	2.53	3.59
Birch Logs .....	7,874	562,892	1,276.41	2,956.18	4,232.59
Cedar Logs .....	86	2,308	3.46	5.59	9.05
Hemlock Logs .....	702	27,120	40.68	25.34	66.02
Maple Logs .....	742	28,997	72.48	26.91	99.39
Oak Logs .....	166	13,308	33.27	18.24	51.51
Spruce Logs .....	74,621	1,589,118	3,178.24	5,122.86	8,301.10
Spruce Booms .....	2,749	190,883	477.20	\$23.82	1,301.02
Hard F. Wood .....		159.25	79.62	23.89	103.51
Soft F. Wood .....		2.00	50	20	.70
Ties .....	85,550		8,555.00	4,277.50	12,832.50
Balsam P. Wood .....		13,032.44	9,122.71	4,584.96	13,707.67
J. Pine P. Wood .....		651.71	260.69	45.68	306.37
Poplar P. Wood .....		29.66	11.86	8.90	20.76
Spruce P. Wood .....		101,584.18	142,217.85	27,021.38	169,239.23
			\$201,702.17	\$88,156.86	\$289,859.03

## Permits

Pine .....	81,635 Ft. B. M.
J. Pine .....	13,378 Ft. B. M.
Hemlock .....	425,943 Ft. B. M.
Spruce .....	20,739 Ft. B. M.
Birch .....	1,598,665 Ft. B. M.
Maple .....	37,335 Ft. B. M.
Oak .....	39,984 Ft. B. M.
Ash .....	409 Ft. B. M.
Ties .....	9,147 Pcs.
Poles .....	1,258 Pcs.
Posts .....	1,378 Pcs.
P. Wood .....	55.53 Cords



ACTIVITY AT A SORTING JACK ON BLIND RIVER





LOGS ARE CARRIED FROM THE BOOMS INTO THE MILL BY A CONVEYOR OR JACK-LADDER

TABLE No. 2k

## SIOUX LOOKOUT DISTRICT

## CLASSIFICATION OF ANNUAL TIMBER RETURN

FOR THE YEAR ENDING MARCH 31, 1945

Species	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	30,269	873,360	\$ 2,183.40	\$ 5,815.24	\$ 7,998.64
Jack Pine Logs.....	326,834	4,704,536	11,677.85	22,213.05	33,890.90
Jack Pine Booms.....	276	25,456	63.63	111.60	175.23
Spruce Logs.....	53,362	1,300,301	2,600.60	6,674.05	9,274.65
Poplar Logs.....	221	2,769	5.54	6.92	12.46
Spruce Booms.....	986	152,098	380.25	827.32	1,207.57
Ties.....	76,819		7,681.90	1,284.06	8,965.96
Balsam P. Wood.....		8,288.00	5,801.59	156.08	5,957.67
Jack Pine P. Wood.....		5,791.62	2,316.64	579.16	2,895.80
Poplar P. Wood.....		277.69	111.08	.50	111.58
Spruce P. Wood.....		69,629.63	97,481.48	10,291.82	107,773.30
Pulp Exported—Balsam.....		304.42		197.87	197.87
—Spruce.....		10,225.73		6,646.72	6,646.72
			\$130,303.96	\$54,804.29	\$185,108.35

## Permits

Sundry Logs.....	3,328,735 Ft. B. M.
Ties.....	2,351 Pcs.
Pulpwood.....	2,713.84 Cords
Fuelwood.....	28,131.92 Cords

TABLE No. 21  
SUDBURY DISTRICT  
CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Trespass	Total
Pine Logs.....	245,893	10,870,377	\$ 27,173.90	\$ 56,870.03		\$ 84,043.93
Pine Booms.....	947	164,417	411.04	915.07		1,326.11
J. Pine Logs.....	927,159	16,380,844	37,753.97	66,576.05		104,330.02
J. Pine Tres.....	5,034	140,164	350.41		490.57	840.98
J. Pine Booms.....	567	44,517	111.27	182.25		293.52
Ash Logs.....	190	5,470	13.67	28.30		41.97
Basswood Logs.....	5,724	159,097	397.74	494.84		892.58
Birch Logs.....	1,866	63,952	159.87	182.82		342.69
Cedar Logs.....	24	328	.50	1.59		2.09
Elm Logs.....	4	473	1.18			1.18
Hemlock Logs.....	19,753	666,651	999.52	946.48		1,946.00
Hemlock Booms.....	42	3,473	8.68	6.95		15.63
Maple Logs.....	26	1,176	2.94	1.98		4.92
Poplar Logs.....	3,909	69,711	139.43	94.96		234.39
Spruce Logs.....	162,488	3,164,485	6,328.67	13,485.16		19,813.83
Spruce Tres.....	505	12,898	25.80		38.69	64.49
Spruce Booms.....	989	80,378	200.92	411.25		612.17
Tam Logs.....	263	4,564	6.84	47.71		54.55
Piling (Lin. Ft.).....	696	11,488	81.60			81.60
Piling Pcs.....	1,937		882.65			882.65
Hard Fuel Wood.....	512.50		256.25	46.55		302.80
Soft Fuel Wood.....	677.00		169.25	33.45		202.70
Ties.....	158,397		15,839.70	7,075.11		22,914.81
Car Stakes.....	10,671		213.42			213.42
Posts.....	742		14.84	6.50		21.34
Poles.....	7,028		2,158.50	322.70		2,481.20
Poles (Cu. Ft.).....		23,062.69	915.24			915.24
J. Pine Pulp (Cords).....	5,269.81		2,107.93	731.14		2,839.07
J. Pine Pulp Tres.....	323.73		129.49		32.37	161.86
Poplar Pulp.....	569.99		224.00	201.65		425.65
Spruce Pulp.....	3,835.60		5,369.82	1,528.00		6,897.82
Spruce Pulp Tres.....	97.54		136.56		14.63	151.19
Spruce Pulp Export.....	14.71			9.56		9.56
J. Pine Pit Props.....	269.05		82.29	186.76		269.05
J. Pine Pit Prop Export.....	269.05			67.26		67.26
			\$102,667.89	\$150,454.12	\$576.26	\$253,698.27

## Permits

Pine.....	1,119,568 Ft. B. M.
J. Pine.....	748,063 Ft. B. M.
Spruce.....	226,707 Ft. B. M.
Hemlock.....	859,648 Ft. B. M.
Birch.....	359,723 Ft. B. M.
Maple.....	250,089 Ft. B. M.
Other H. Wood.....	6,154 Ft. B. M.
Poplar.....	40,568 Ft. B. M.
Cedar.....	13,196 Ft. B. M.
Spruce P. W.....	1,316.57 Cords
Poplar P. W.....	1,079.00 Cords
J. P. Pit Props.....	587.00 Cords
Ties.....	7,400 Pcs.
Poles.....	2,725 Pcs.
Posts.....	10,231 Pcs.
Fuelwood.....	18,296.00 Cords

TABLE NO. 2m

## TWEED DISTRICT

CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1945

	Pieces	Feet	Dues	Bonus	Total
Pine Logs.....	185,120	5,100,950	\$12,754.77	\$18,339.45	\$31,091.72
Pine Booms.....	59	4,965	12.41	11.84	24.25
Ash Logs.....	1,072	45,036	112.55	89.63	202.18
Balsam Logs.....	8,576	161,729	323.46	24.25	347.71
Basswood Logs.....	13,318	437,595	1,093.91	568.69	1,662.60
Beech Logs.....	2,469	118,220	295.53	107.39	402.92
Birch Logs.....	25,048	1,466,645	3,666.56	2,587.45	6,254.02
Cherry Logs.....	227	8,568	21.42	22.35	43.77
Cedar Logs.....	2,605	35,904	54.15	12.52	66.67
Cedar Booms.....	24	949	2.37		2.37
Elm Logs.....	1,214	82,189	205.43	102.67	308.10
Hemlock Logs.....	142,011	4,430,222	6,645.31	1,650.68	8,295.99
Maple Logs.....	30,535	1,741,731	4,354.28	2,764.53	7,118.81
Oak Logs.....	406	18,019	45.02	30.71	75.73
Poplar Logs.....	31,005	659,060	1,517.50	495.56	1,813.06
Spruce Logs.....	61,521	1,374,112	2,748.84	1,860.77	4,609.61
Spruce Booms.....	718	71,950	179.85	166.36	346.21
Tamarac Logs.....	962	10,534	15.80	48.54	64.34
Fuelwood (Hard).....		1,779.69	889.84	270.10	1,159.94
Fuelwood (Soft).....		6.00	1.50		1.50
Poles.....	944		329.25	21.02	350.27
Posts.....	647		12.94		12.94
Balsam P. Wood.....		326.70	228.68	72.35	301.03
Poplar P. Wood.....		960.44	384.18	183.34	567.52
Spruce P. Wood.....		389.31	545.04	26.03	571.07
Pit Props.....		103.79	145.30		145.30
P. Wood Exported					
Balsam.....		276.83		179.94	179.94
Spruce.....		179.44		104.64	104.64
Spruce Pit Props.....		103.79		67.46	67.46
			\$36,383.39	\$29,808.27	\$66,191.66

## Permit

Pine.....	1,274,769 Ft. B. M.
Maple.....	180,329 Ft. B. M.
Birch.....	165,033 Ft. B. M.
Basswood.....	113,712 Ft. B. M.
Ash.....	7,154 Ft. B. M.
Spruce.....	266,067 Ft. B. M.
Hemlock.....	457,724 Ft. B. M.
Elm.....	21,405 Ft. B. M.
Poplar.....	241,951 Ft. B. M.
Oak.....	21,278 Ft. B. M.
Beech.....	26,187 Ft. B. M.
Cedar.....	9,329 Ft. B. M.
Balsam.....	75,286 Ft. B. M.
Poles.....	38 Pcs.
Posts.....	1,035 Pcs.
Poplar P. Wood.....	566.37 Cords
Spruce P. Wood.....	188.86 Cords
Balsam.....	243.96 Cords
Hard Fuelwood.....	1,898.10 Cords
Soft Fuelwood.....	2,119.19 Cords



TABLE NO. 3

## FINAL STATEMENT OF PULPWOOD EXPORTED FROM ONTARIO

January 1, to December 31, 1946

District	Crown Lands (Cords)	Private Lands (Cords)	Total (Cords)	Value \$
Chapleau.....				
Cochrane.....	32,736.00	23,164.00	55,900.00	556,359.50
Fort Frances.....	5,210.82	5,234.97	10,436.79	103,404.58
Geraldton.....	5,738.00		5,738.00	103,284.00
Gogama.....	37.41		37.41	439.57
Kapuskasing.....	220,897.80	56,989.87	277,887.67	3,288,071.58
Kenora.....		114.00	114.00	1,368.00
North Bay.....	2,620.99	7,403.50	10,024.49	98,441.90
Parry Sound.....		105.00	105.00	1,049.50
Pembroke.....	500.00	11,068.00	11,568.00	117,854.00
Port Arthur.....	281,918.49	43,805.00	325,723.49	6,603,971.12
Sault Ste. Marie.....	10,443.66	1,450.34	11,894.00	143,121.76
Sioux Lookout.....	13,993.00	2,359.50	16,352.50	271,077.61
Sudbury.....	3,788.45	17,388.00	21,176.45	144,696.27
Tweed.....	1,532.00	8,988.00	10,520.00	13,680.00
Total.....	579,407.62	178,070.18	757,477.80	\$11,446,819.39

TABLE No. 4  
FINAL STATEMENT OF PULPWOOD EXPORTED FROM ONTARIO  
January 1, to December 31, 1946

DISTRICT	CLASS OF WOOD	CROWN LANDS—CORDS			PRIVATE LANDS—CORDS		
		SPRUCE AND BAISAM	JACKPINE	POPULAR	SPRUCE AND BAISAM	JACKPINE	POPULAR
Chapleau	Peeled						4,327.00
	Rough						
Cochrane	Peeled	15,765.00		16,971.00	18,237.00		4.33
	Rough					192.19	
Fort Frances	Peeled				313.53		
	Rough				835.00	1,273.34	2,596.58
Geraldton	Peeled	5,738.00	5,179.47	22.35			
	Rough						
Gogama	Peeled	37.41					
	Rough						
Kapuskasing	Peeled	32,174.83		20.00	8,610.84		3,038.99
	Rough	188,182.97	520.00		45,310.04		
Kenora	Peeled				114.00		
	Rough						
North Bay	Peeled	412.00		2,193.49	533.50		5,957.00
	Rough	15.50			95.00		818.00
Parry Sound	Peeled						105.00
	Rough						
Pembroke	Peeled			500.00	2,087.00		8,981.00
	Rough						
Port Arthur	Peeled	1,782.99		61.50			11,009.50
	Rough	251,157.00	28,917.00		29,249.00	3,400.00	146.50
Sault Ste. Marie	Peeled	10,443.66			248.99	15.00	1,186.35
	Rough						
Sioux Lookout	Peeled	12,643.00	122.00		2,199.50		
	Rough		1,228.00		160.00		
Sudbury	Peeled	1,005.61		356.00	18.00		7,660.00
	Rough			2,426.84	4,020.50	2,870.00	2,819.50
Tweed	Peeled	554.00		978.00	2,433.50		6,554.50
	Rough						
Total		519,941.97	35,966.47	23,329.18	114,515.40	7,750.53	55,804.25
	Peeled	66,907.89	122.00	21,059.99	34,745.86	207.19	49,423.67
	Rough	453,034.08	35,844.47	2,469.19	79,719.54	7,543.34	6,380.58
Total Peeled Crown					88,080.88		
Total Rough Crown					491,317.74		
Total Peeled Private					84,426.72		
Total Rough Private					93,643.46		
Total					757,477.80		



A ROSS LIFT TRUCK MOVES LUMBER INTO POSITION AT NEW LISKEARD

TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Apr. 5	Apr. 23	Sankey Twp. (Pt)	15	1	J. H. Dallaire, Mattice, Ont.	Spruce Pulpwood Balsam Pulpwood	..... .....	\$ .35 1.05	\$1.40 .70	\$1.75 Per Cd. 1.75 Per Cd.
Apr. 5	Apr. 25	Grenfell Twp. (Pt)	1 <sub>2</sub>	2	Harry Block, Swastika, Ont.	J. Pine Pitprops Fuelwood (Hard)	1.00 .35	.60 .15	.40 .50	2.00 Per Cd. 1.00 Per Cd.
Apr. 26	May 16	Rupert and Esnagami Twps.	20	4	Arnold B. McCraig, 131 Pine St., Port Arthur, Ont.	J. Pine Poles Up to 10 Cu. Feet 10 to 20 Cu. Feet 20 to 30 Cu. Feet 30 to 40 Cu. Feet 40 to 50 Cu. Feet over 50 Cu. Feet	..... ..... ..... ..... ..... .....	.03 .04 .05 .06 .07 .08	.03 <sup>1</sup> / <sub>2</sub> .03 <sup>1</sup> / <sub>2</sub> ..... ..... ..... .....	.06 <sup>1</sup> / <sub>2</sub> Cu. Ft. .07 <sup>1</sup> / <sub>2</sub> Cu. Ft. .08 Cu. Ft. .09 Cu. Ft. .10 Cu. Ft. .11 Cu. Ft.
May 2	May 17	Black and Benoit Twps.	1 <sub>2</sub>	1	R. Guertin, Ramore, Ont.	J. Pine Pitprops Spruce Birch Fuelwood Poplar	.25 .65 ..... .....	.60 .20 .15 .40	.40 1.40 .50 .25	1.25 Per Cd. 1.65 Per Cd. .65 Per Cd. .65 Per Cd.
May 7	May 25	Rickaby and Lapierre Twps.	2	1	Sturgeon Timber Co., Per P. A. LeGros, Port Arthur, Ont.	Jackpine Pulp Spruce Pulp Spruce & J. Pine Poles Up to 10 Cu. Feet Over 10 to 20 Cu. Ft. Over 20 to 30 Cu. Ft. Over 30 to 40 Cu. Ft. Over 40 to 50 Cu. Ft. Over 50 Cu. Feet	.25 .25 Bonus .01 <sup>1</sup> / <sub>2</sub> .01 <sup>1</sup> / <sub>2</sub> .01 <sup>1</sup> / <sub>2</sub> .01 <sup>1</sup> / <sub>2</sub> .01 <sup>1</sup> / <sub>2</sub> .01 <sup>1</sup> / <sub>2</sub>	.60 .25 & Dues, .03 .04 .05 .06 .07 .08	.40 1.40 ..... ..... ..... ..... ..... .....	1.25 Per Cd. 1.90 Per Cd. ..... ..... ..... ..... ..... .....
May 7	May 25	Grenfell Twp.	1 <sup>1</sup> / <sub>4</sub>	1	E. V. Woodlings, Englehart, Ont.	Jackpine Pulpwood Spruce Pulpwood Poplar Pulpwood	.25 .15 .40	.60 .20 .25	.40 1.40 .40	1.25 Per Cd. 1.75 Per Cd. .75 Per Cd.





TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
June 18	July	4 McVittie Twp.	¾	2	Proprietary Mines Ltd., Larder Lake, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Poplar Pulpwood	3.85 4.00 .40 .10	7.00 6.50 .20 .25	1.50 2.00 1.40 .40	12.35 Per MBM 12.50 Per MBM 2.00 Per Cd. .75 Per Cd.
July 10	July	25 Boston Twp. (Parcel 2)	2	1	W. H. Nichol, Boston Creek, Ont.	Jackpine Logs Spruce Pulpwood	1.00 .25	7.00 .35	1.50 1.40	9.50 Per MBM 2.00 Per Cd.
July 11	July	26 Dungannon Twp.	¾	4	Harold Wheeler, Detlor, Ont.	Pine Logs Spruce Logs Hemlock Logs Hardwood Logs Poplar Logs	6.65 6.00 4.00 9.00 5.00	7.50 5.00 1.50 4.50 3.00	2.50 2.00 1.50 2.50 2.00	16.65 Per MBM 13.00 Per MBM 7.00 Per MBM 16.00 Per MBM 10.00 Per MBM
July 20	Aug.	11 Raymond Twp.	2	1	Wm. Pollock & Son, Ltd., Englehart, Ont.	White Pine Logs		5.00	2.50	7.50 per M.B.M.
Aug. 8	Aug.	27 Kendrey Twp.	¾	2	P. Guevrenont, Smooth Rock Falls, Ont.	Spruce Timber Spruce Pulpwood Balsam Pulpwood	.26 .26	6.50 .40 1.10	2.00 1.40 .70	8.50 Per MBM 2.06 Per Cord 2.06 Per Cord
Aug. 9	Aug.	27 Galway and Harvey Twp.	1¼	2	Read Bros. Lumber Co., Bobaygeon, Ont.	Red and White Pine Spruce and Balsam Hemlock Cedar Hardwoods Poplar	4.50 5.25 4.25 6.75 4.00 3.50	7.50 5.00 3.50 1.50 2.50 3.00	2.50 2.00 1.50 1.50 2.50 2.00	14.50 Per MBM 12.25 Per MBM 9.25 Per MBM 12.75 Per MBM 11.00 Per MBM 8.50 Per MBM
Aug. 14	Aug.	29 Barrie Twp.	¾	1	Wells Bros., Marmora, Ont.	Maple, Birch, Basswood Elm and Oak Hemlock Spruce Cedar Poles 20' to 30' Cedar Poles 31' to 40'		4.00 3.00 3.00 1.50 .25 .50	2.50 2.50 1.50 2.00 .25 .50	6.50 Per MBM 5.50 Per MBM 4.50 Per MBM 6.50 Per MBM .50 each 1.00 each

TABLE No. 5

Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Paid	Upset	Dues	
Aug. 14	Aug. 29	Conger Twp.	9 $\frac{3}{4}$	1	Messrs. Sanders and Parent, 105 Brooklyn Ave., Toronto,	Pine Logs Hemlock Hardwoods Spruce Tamarac	1.00 1.00 1.00 1.00 1.00	2.50 1.50 2.50 2.00 1.50	2.50 1.50 2.50 2.00 1.50	6.00 Per MBM 4.00 Per MBM 6.00 Per MBM 5.00 Per MBM 4.00 Per MBM
Aug. 16	Sept. 4	Rose Twp.	3 $\frac{1}{4}$	2	Sam Gordon, Thessalon, Ont.	Birch Logs Oak Logs Maple Logs Hemlock Logs Spruce and Balsam Pine	1.00 .50 .50 3.50 1.00	4.50 3.50 3.50 3.50 5.00 7.50	2.50 2.50 2.50 1.50 2.00 2.50	8.00 Per MBM 6.50 Per MBM 6.50 Per MBM 5.00 Per MBM 7.00 Per MBM 11.00 Per MBM
Aug. 30	Sept. 13	Blichfield Twp.	5 $\frac{1}{2}$	3	J. R. Gorra, Calabogie, Ont.	Red and White Pine Spruce Balsam Hardwoods Poplar Cedar Poles 21' to 30' Cedar Poles 31' to 40'	3.75 3.75 3.75 3.75 3.75 .10 .25 .25	7.50 5.00 5.00 4.50 3.00 25 25 50	2.50 2.00 2.00 2.50 2.00 .25 .25 .50	13.75 Per MBM 10.75 Per MBM 10.75 Per MBM 10.75 Per MBM 8.75 Per MBM .60 each 1.25 each
Aug. 31	Sept. 20	N. & W. of Black Sturgeon Bay	6	1	Robert Frenchard, P.O. Box 1016, Fort Frances, Ont.	Red and White Pine Jackpine Spruce Poplar Jackpine Pulpwood Spruce Pulpwood Poplar Pulpwood	       	6.00 5.00 2.00 2.00 .60 .35 .40	2.50 1.50 2.00 2.00 .40 1.40 .40	8.50 Per MBM 6.50 Per MBM 4.00 Per MBM 4.00 Per MBM 1.00 Per Cord 1.75 Per Cord .50 Per Cord
Sept. 4	Sept. 19	Phelps Twp.	4 $\frac{1}{2}$	1	The Pedwell Lbr. Co. Ltd., Orillia, Ont.	Hardwood Logs Hemlock Logs Spruce Logs	   	4.00 2.50 5.50	2.50 1.50 2.00	6.50 Per MBM 4.00 Per MBM 7.00 Per MBM

TABLE No. 5

Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Sept. 4	Sept. 21	Little Twp.	5	2	Feldman Timber Co. Ltd., Schumacher, Ont.	Jackpine Logs Spruce Logs Poplar Logs Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood	1.25 1.25 ..... .30 ..... .....	7.50 7.00 2.50 .20 1.20 .25	1.50 2.00 2.00 1.40 .70 .40	10.25 Per MBM 10.25 Per MBM 4.50 Per MBM 1.90 Per Cord 1.90 Per Cord .65 Per Cord
Sept. 11	Sept. 28	Faraday Twp.	1¼	2	Florence A. Ransom, 677 Broadview Ave., Toronto, Ont.	Pine Logs Hemlock Logs Spruce and Balsam Hardwoods Poplar	5.50 10.50 7.50 5.50 3.00	7.50 3.50 3.00 4.50 3.00	2.50 1.50 2.00 2.50 2.00	15.50 Per MBM 15.50 Per MBM 12.50 Per MBM 12.50 Per MBM 8.00 Per MBM
Sept. 17	Oct. 3	Lapierre and Legault Twp.	2	2	William T. Conklin, Kingsville, Ont.	Jackpine Spruce Jackpine Pulpwood Spruce Pulpwood Balsam Pulpwood Poplar Logs Birch Logs	2.80 2.80 .40 .40 ..... ..... .....	6.00 5.50 .60 .25 1.35 1.00 5.50	1.50 2.00 .40 1.40 .70 2.00 2.50	10.30 Per MBM 10.30 Per MBM 1.40 Per Cord 2.05 Per Cord 2.05 Per Cord 6.00 Per MBM 8.00 Per MBM
Sept. 24	Oct. 11	Catharine Twp.	1	1	Sam Mitchell, Tomstown, Ont.	Jackpine Logs Spruce Pulpwood	.05 .05	6.00 .25	1.50 1.40	7.55 Per MBM 1.70 Per Cord
Sept. 25	Oct. 11	Anstruther Twp.	1¼	1	Scott Lumber Co., Peterborough, Ont.	Pine Logs Hardwood Logs Poplar Logs Hemlock Logs Balsam Pulpwood Poplar Pulpwood	15.00 8.50 5.00 6.50 1.00 .....	7.50 4.50 3.00 3.50 .30 .35	2.50 2.50 2.00 1.50 .70 .40	25.00 Per MBM 15.50 Per MBM 10.00 Per MBM 11.50 Per MBM 2.00 Per Cord .75 Per Cord



TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Ten- ders	To Whom Sold	Prices Paid			Total
						Kind of Timber	Bid	Upset	Dues
Oct. 1	Oct. 17	Galway Twp.	$\frac{1}{2}$	2	H. W. Jernyn, Box 164, Bobcaygeon, Ont.	Red and White Pine Spruce and Balsam Hemlock Hardwood Logs Poplar Ties Posts	5.00 4.00 4.00 3.50 4.00 .02 .02	7.50 5.00 5.00 4.50 3.00 .10 .03	2.50 2.00 2.00 2.50 2.00 .22 each .07 each
Oct. 5	Oct. 15	Rocher Capitaine Island, Renfrew County	$\frac{3}{4}$	1	Messrs. Shaw Bros., Pembroke, Ont.	J. Pine Pole Timber Up to 40 cu. ft. per piece Over 10 to 20 Over 20 to 30 Over 30 to 40 Over 40 to 50 Over 50	..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... .....	.03 per Cu. Ft. .01 per Cu. Ft. .05 per Cu. Ft. .06 per Cu. Ft. .07 per Cu. Ft. .08 per Cu. Ft.
Oct. 9	Nov. 7	Nansen Twp.	$1\frac{1}{2}$	2	W. Lamontagne, Moonbeam, Ont.	Spruce Pulpwood Balsam Pulpwood	.20 .20	.35 1.05	1.40 .70
Oct. 11	Oct. 25	Southworth Twp.	$\frac{1}{2}$	2	Arthur Jeske, Dinorwic, Ont.	Jackpine Logs Jackpine Pulp Spruce Pulp	.50 .25 .25	8.00 .35 .35	1.50 .10 2.00 Per Cord
Oct. 24	Nov. 12	Barrie Twp.	$\frac{3}{4}$	1	Basil Gray, Harlowe, Ont.	White Pine Logs Hemlock Logs Hardwoods Logs Poplar Logs Hard Fuelwood	.75 .50 1.00 .50 .....	7.50 3.50 4.50 3.00 .50	2.50 1.50 2.50 2.00 .50
Oct. 31	Nov. 19	Papineau Twp.	$\frac{3}{4}$	2	Messrs. Amyot Bros., Eau Claire, Ont.	Red and White Pine Spruce Logs	.75 .50	7.00 5.50	2.50 2.00
Nov. 6	Nov. 26	Wallbridge Twp.	2	2	W. V. Seigner Lumber Co. Ltd., Kitchener, Ont.	Pine Logs { Fire damaged { J. Pine	2.00 ..... .....	5.00 (Flat rate of \$2.00 Per M. { inclusive of dues.	9.50 Per MBM 2.50 2.50



A HAMMER-HEAD TRAVELLING CRANE AT WORK ON A STOCK PILE OF LUMBER

TABLE No. 5

Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Kind of Timber	Prices Paid			Total
							Bid	Upset	Dues	
Nov. 10	Nov. 26	Cochrane Twp.	1 $\frac{3}{4}$	1	Messrs. Armour and Graham, 24 King St. West, Toronto, Ont.	J. Pine Logs Spruce Pitprops Jackpine Pitprops	1.00 .05 .05	5.25 .25 .60	1.50 1.40 .40	7.75 Per MBM 1.70 Per Cord 1.05 Per Cord
Nov. 16	Dec. 6	Ashby & Mayo Twp.	4 $\frac{3}{4}$	5	T. A. Wilson Lumber Co. Ltd., Cunnington, Ont.	Red and White Pine Spruce and Balsam Hemlock Hardwoods Cedar Poles 30' & less Cedar Posts	6.00 2.25 2.00 2.00 .30 .62	7.50 5.00 3.50 4.50 .35 .03	2.50 2.00 1.50 2.50 .25 .02	16.60 Per MBM 9.25 Per MBM 7.00 Per MBM 9.00 Per MBM .90 each .07 each
Nov. 27	Dec. 12	Pt. Harvey Twp.	$\frac{1}{4}$	4	G. H. Potts, Bobcaygeon, Ont.	Red and White Pine Spruce and Balsam Hemlock Basswood Cedar Cedar Posts Poplar Logs	6.50 6.50 5.00 7.00 8.50 5.00	7.50 5.00 3.50 1.50 3.50 3.50	2.50 2.00 1.50 2.50 1.50 1.50	16.50 Per MBM 13.50 Per MBM 10.00 Per MBM 14.00 Per MBM 13.50 Per MBM 10.00 Per MBM
Nov. 27	Dec. 12	Barrie Twp.	1 $\frac{1}{2}$	1	Gorr & Ohlmann, Plevna, Ont.	White Pine Spruce Cedar Tamarac Hemlock Hardwoods Poplar Spruce Pulpwood Balsam Pulpwood	2.40 1.00 1.00 1.00 1.00 1.00 .50 .50 .75	7.50 5.00 4.50 1.50 3.50 1.50 3.50 .40 .05	2.50 2.00 1.50 1.50 1.50 2.50 2.00 1.40 .70	12.10 Per MBM 8.00 Per MBM 7.00 Per MBM 7.00 Per MBM 6.00 Per MBM 8.00 Per MBM 6.00 Per MBM 2.00 Per Cord 1.50 Per Cord

TABLE No. 5

Timber Areas Sold during the year ending March 31, 1946

Date Offered 1945	Date Sold 1945	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid			Total
						Kind of Timber	Bid	Upset	
Nov. 30	Dec. 18	Denbigh Twp.	$\frac{3}{4}$	3	T. A. Wilson Lumber Co. Ltd., Cannington, Ont.	Red and White Pine Spruce Hemlock Hardwoods Cedar Posts Cedar Poles	5.00 2.10 1.10 2.10 .02 .25	7.50 5.00 3.50 4.50 .03 .25	15.00 Per MBM 9.10 Per MBM 6.10 Per MBM 9.10 Per MBM .07 each .75 each
Nov. 30	Dec. 18	Clarendon Twp.	$\frac{3}{4}$	2	Watkins and Jones, Ardoch, Ont.	Pine Logs Spruce and Balsam Hardwoods Hemlock Spruce Pulpwood Balsam Pulpwood	2.60 1.60 2.10 3.60 .05 .05	7.50 5.00 4.50 3.50 .10 .05	12.60 Per MBM 8.60 Per MBM 9.10 Per MBM 8.60 Per MBM 1.55 Per Cord .80 Per Cord
Dec. 1	Dec. 19	Herschel Twp.	$2\frac{3}{4}$	1	Walter Scott, Maynooth, Ont.	Spruce Logs Balsam Hemlock Logs Tamarac Logs Hardwood Logs Poplar Logs Cedar Poles	.50 .50 .50 .50 .50 .50 .50	5.00 5.00 3.50 4.50 4.50 3.50 .50	7.50 Per MBM 7.50 Per MBM 5.50 Per MBM 6.50 Per MBM 7.50 Per MBM 6.50 Per MBM .75 each
Dec. 6	Dec. 27	Jennings Twp.	1	.....	Thomas Hill, St. Charles, Ont.	White Pine Logs Red Pine Logs Jackpine Logs Spruce Logs Poplar Logs Spruce Lagging	1.00 1.00 1.00 1.00 ..... .....	7.50 7.50 6.50 6.00 2.50 .....	11.00 Per MBM 11.00 Per MBM 9.00 Per MBM 9.00 Per MBM 4.50 Per MBM .06 each
Dec. 6	Dec. 27	Dumgannon Twp.	1	4	Messrs. T. C. Wagar and E. B. Brown, 83 Earl St., Kingston, Ont.	Pine Logs Spruce and Balsam Poplar	6.50 2.75 2.00	8.00 5.25 3.00	17.00 Per MBM 10.00 Per MBM 7.00 Per MBM



Table No. 5

Timber Areas Sold during the year ending March 31, 1916

Date Offered 1915	Date Sold 1915	Locality	Area sq. miles	No. of Tenders	To Whom Sold	Prices Paid				Total
						Kind of Timber	Bid	Upset	Dues	
Dec. 10	Dec. 27	Dungannon and Mayo Twp.	1 $\frac{1}{4}$	4	G. R. Smith, Dettlor, Ont.	Red and White Pine Spruce and Balsam Poplar Poplar Pulpwood	7.50 7.50 5.00 .50	7.50 5.00 3.00 .35	2.50 2.00 2.00 .40	15.00 Per MBM 14.50 Per MBM 10.00 Per MBM 1.25 Per Cord
1916 Jan. 4	1916 Jan. 23	Devon Twp.	1 $\frac{1}{2}$	4	Kallio and Jacobson, Nolaht, Ont.	White Pine Spruce Balsam Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood Jackpine Pulpwood	5.27 4.02 3.00 .52 .82 .42 .42	7.50 5.50 2.50 60 .55 .20 .20	2.50 2.00 2.00 1.40 .70 .40 .40	15.27 Per MBM 11.52 Per MBM 7.50 Per MBM 2.52 Per Cord 2.07 Per Cord 1.02 Per Cord 1.02 Per Cord
Jan. 7	Jan. 18	Yarrow and Doon Twp.	2	1	W. D. Flood Co., Matachewan, Ont.	Red and White Pine	.....	6.50	2.50	9.00 Per MBM
Jan. 9	Jan. 21	Bastedo Twp.	1	2	L. Brun, Field, Ont.	Spruce Pulpwood Jackpine Pulpwood	.13 .25	.25 .25	1.40 .40	1.78 Per Cord .90 Per Cord
Jan. 25	Feb. 11	Fraleigh Twp.	2 $\frac{1}{4}$	5	Nick Glowacki, 941 Simpson St., Fort William, Ont.	Jackpine Logs Spruce Pulpwood Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood Jackpine Pulpwood Birch (Fuelwood)	4.50 4.50 2.00 1.75 .90 2.00 1.25	6.00 5.50 .60 .55 .20 .35 .....	1.50 2.00 1.40 .70 .40 .40 .50	12.00 Per MBM 12.00 Per MBM 4.00 Per Cord 3.00 Per Cord 1.50 Per Cord 2.75 Per Cord 1.75 Per Cord



LOADING LUMBER TO BE MOVED TO MAIN LINE FOR SHIPMENT

TABLE NO. 6

## Timber Areas Abandoned in the Year Ending March 31, 1946

Date Sold	Date of Abandonment	Locality	Area Square Miles	Licensee	Kind of Timber
Oct. 31/40	April 4/45	Pt. Crothers Twp.	12	Pineland Tbr. Co. Ltd., Sudbury, Ont.	Jackpine Logs Spruce Logs
Nov. 30/23	April 4/45	Regan Twp.	10	Pineland Timber Co. Ltd., Sudbury, Ont.	Red & White Pine Logs, Jackpine Logs (Ties (railway))
Oct. 13/42	Mar. 31/45	Norman Twp.	2¼	Birmingham & Stechym, Capreol, Ont.	White & Red Pine Logs, Spruce Logs Jackpine Logs Birch Logs
Oct. 5/36	April 19/45	Chisholme & Ballantyne Pts.	5½	Fassett Lumber Co. Ltd., Fossmill, Ont.	Hemlock Logs Pine Logs Spruce Pulpwood Balsam Pulpwood Fuelwood Cedar Poles
Dec. 13/37	April 26/45	Pt. Hawley Twp.	5½	Victor Brisson Jr., St. Charles, Ont.	Red and White Pine Logs Jackpine Logs Spruce Logs
Oct. 20/42	Oct. 12/44	Pt. Gurd Twp.	¼	Trout Creek Lumber Co., Powassan, Ont.	Pine Logs Hardwoods Logs Hemlock Logs Spruce Logs
Oct. 18/43	May 2/45	Bayley Twp.	1	Ben Crick, Hilliardton, Ont.	Spruce Logs Jackpine Logs Spruce Pulpwood
Nov. 10/20	Mar. 31/45	Pt. Twp. 23, District of Sudbury	20	Kormak Lumber Co., Kormak, Ont.	Pine Logs Jackpine Logs Spruce Logs Spruce Pulpwood Railroad Ties
Oct. 16/33	June 3/45	Pt. Twp. 27, Range 22, District of Algoma	10	Algoma Central & Hudson Bay Railway Co., Sault Ste. Marie, Ont.	Jackpine Ties.
Jan. 22/37	Sept. 11/45	Pt. Fraleigh Twp.	4¾	Messrs. Kallio & Jacobson, Nela, Ont.	Jackpine Logs Jackpine Ties Spruce Pulpwood Balsam Pulpwood Spruce Logs Balsam Logs Cedar Posts
May 20/40	Sept. 18/45	Area N. of Pakwash Lake	4¼	Keetch Lumber & Supply Co. Red Lake Ont.	Spruce Sawlogs Jackpine Sawlogs

TABLE NO. 6

## Timber Areas Abandoned in the Year Ending March 31, 1946

Date Sold	Date of Abandonment	Locality	Area Square Miles	Licensee	Kind of Timber
April 29/40	Oct. 3/45	Pratt Twp.	1½	John Tolen, R.R. No. 1, Sleeman, Ont.	Spruce Pulpwood Birch Fuelwood Cedar Posts White Pine Logs
Oct. 14/41	Oct. 5/45	Lyndoch Twp.	½	H. Richards & Sons, Dacre, Ont.	Hemlock Logs Basswood Logs Maple Logs Elm Logs Spruce Logs Poplar Logs
Oct. 30/41	Oct. 10/45	Pct. 2—Pt. Eilber Twp.	¼	E. Comeau, Val Cote, Ont.	Spruce Logs Spruce Pulpwood Balsam Pulpwood
Mar. 24/41	Oct. 18/45	Pt. Owens Twp.	¾	P. H. Larabie, Kapusksing, Ont.	Poplar Logs Spruce Pulpwood Balsam Pulpwood Spruce Logs Balsam Logs
Oct. 26/39	Oct. 18/45	Pt. McCrea Twp.	¾	Jos. Lacasse, Lowther, Ont.	Spruce Pulpwood Balsam Pulpwood
Mar. 19/43	Nov. 7/45	Pts. Galbraith & Haughton	23	Algoma Forest Products, c/o Messrs. Hamilton & Carmichael, Sault Ste. Marie, Ont.	Birch Logs
Sept. 17/37	Nov. 9/45	Pts. Stralak & Ulster	4	T. Blais, Chelmsford, Ont.	Jackpine Logs
Dec. 15/37	Nov. 12/45	Pt. Doyle Twp.	13½	John W. Fogg Ltd., Timmins, Ont.	Red Pine Logs White Pine Logs Jackpine Logs Spruce Logs
Sept. 22/19	Oct. 30/45	Pts. Moffatt and Beulah Twps.	42	Marshay Lumber Co., 80 Richmond St. W. Toronto, Ont.	Red Pine Logs White Pine Logs Jackpine Logs Spruce Logs Cedar Logs Ties Spruce Pulpwood Balsam Pulpwood & Other Pulpwood
June 30/42	Dec. 5/45	Pts. Askin and Hartle Twps.	10½	Mattawa Wood Products Ltd., 28 Highland Crescent, Toronto, Ont.	Poplar Pulpwood Spruce Pulpwood Balsam Pulpwood Jackpine Logs Fuelwood
Mar. 2/42	Dec. 20/45	Pt. Scollard Twp.	16½	Messrs. Lafreniere Bros., Sturgeon Falls, Ont.	Red & White Pine Logs Spruce Logs Jackpine Logs



TABLE No. 6

Timber Areas Abandoned in the Year Ending March 31, 1946

Date Sold	Date of Abandonment	Locality	Area Square Miles	Licensee	Kind of Timber
July 15/43	Dec. 15/45	Pt. Devitt Twp.	$\frac{1}{4}$	A. Lachance, Val Cote, Ont.	Spruce Pulpwood Balsam Pulpwood
Oct. 5/34	Aug. 16/45	Pt. McBride Twp.	11 $\frac{1}{4}$	Rudolph- McChesney Lbr. Co. Ltd., Timmins, Ont.	Jackpine Logs Spruce Logs
Sept. 22/43	July 11/45	Pt. Miller Twp.	$\frac{3}{4}$	Fred Kellar, Plevna, Ont.	Hemlock Logs Hardwood Logs
June 12/41	Jan. 28/46	Pt. Machin Twp.	$\frac{1}{2}$	Jean Dufour, Kapuskasing, Ont.	Spruce Pulpwood Balsam Pulpwood
Sept. 8/41	Jan. 28/46	Pt. Machin Twp.	$\frac{1}{2}$	Jean Dufour, Kapuskasing, Ont.	Spruce Logs Spruce Pulpwood Balsam Pulpwood
Sept. 30/42	Mar. 31/45	Pt. Fingal Twp.	9	K. W. Bigelow, Devon, Ont.	Jackpine Logs Spruce Logs Cedar Logs
Oct. 4/41	Mar. 7/46	Pt. McTavish Twp.	$\frac{3}{4}$	Oscar Styffe Ltd., Port Arthur, Ont.	Spruce Pulpwood Balsam Pulpwood
June 22/26	Nov. 8/45	Pt. Godfrey Twp.	9	H. H. Rudolph, Weston, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Poplar Pulpwood
Oct. 29/28	Nov. 8/45	Pt. Godfrey Twp.	9	H. H. Rudolph, Weston, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Poplar Pulpwood
Jan. 2/42	Mar. 31/46	Area in vicinity of Clamshell Lake, Dist. of Kenora.	13	Patricia Lbr. Co. Ltd., Sioux Lookout, Ont.	Ties
Aug. 30/44	Mar. 31/46	Pt. Devitt Twp.	$\frac{1}{4}$	Ed. Chabot, Hallebourg, Ont.	Pulpwood
Dec. 4/44	Feb. 9/46	Pt. Carter Twp.	4	E. B. Eddy Co., Hull, Quebec	Jackpine Logs Spruce Pulpwood Balsam Pulpwood
May 15/41	Mar. 31/46	Pt. Bastedo Twp.	1	Alfred Quenneville, Field, Ont.	Spruce Pulpwood Poplar Pulpwood
Oct. 18/38	Mar. 29/46	Pt. Colquhoun Twp.	38	Abitibi Power & Paper Co. Ltd., University Ave., Toronto, Ont.	Spruce Logs Spruce Pulpwood Balsam Pulpwood
April 5/43	Mar. 29/46	Pt. Colquhoun Twp.	7	Abitibi Power & Paper Co. Ltd., University Ave., Toronto, Ont.	Spruce Logs Spruce Pulpwood

TABLE No. 6

Timber Areas Abandoned in the Year Ending March 31, 1946

Date Sold	Date of Abandonment	Locality	Area Square Miles	Licensee	Kind of Timber
July 4/41	Aug. 16/45	Pt. Thornloe Twp.	3	Rudolph-McChesney Lbr. Co. Ltd., Timmins, Ont.	Spruce Logs Jackpine Logs White Pine Logs Spruce Pulpwood Cedar Poles Fuelwood
Oct. 25/43	Mar. 30/46	Pts. Coulter & Legault Twps.	5	P. A. Legrow, Beardmore, Ont.	Spruce Logs Balsam Logs Jackpine Logs



GIRLS WORKING ON A PRODUCTION LINE IN A MILL, TURN LUMBER INTO  
THE FINISHED ARTICLES

TABLE NO. 7

Timber Areas Transferred during the year ending March 31, 1946

Date Sold	Date Transferred	Locality	Area Square Miles	Transferree	Kind of Timber
Sept. 25 24	Feb. 18/46	Studholme Twp.	81	Arrow Timber Co. Ltd., Timmins, Ont.	All Species
Oct. 8 23	Feb. 18/46	Irish Twp.	81	Arrow Timber Co. Ltd., Timmins, Ont.	All Species
Sept. 29 41	Jan. 26/46	Pt. Township 202	5	A. J. Gavin & Sons Gordon Lake, Ont.	Red Pine Logs White Pine Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood
Jan. 16 30	Feb. 18/46	Evelyn Twp.	$1\frac{1}{2}$	Bouchard Timber Co., Timmins, Ont.	All Species
Nov. 24 30	Feb. 18/46	Evelyn Twp.	$13\frac{1}{2}$	Bouchard Timber Co., Timmins, Ont.	All Species
Mar. 16 31	Feb. 18/46	Evelyn Twp.	1	Bouchard Timber Co., Timmins, Ont.	All Species
1894-95	Sept. 8/45	Pts. Boyd, Pentland and Lister and Osler Twps.	39	J. D. Campbell, Davenport, Ont.	All Species
Feb. 20 39	Dec. 7/45	Pt. Geikie Twp.	12	John W. Fogg Limited Timmins, Ont.	Jackpine Logs Spruce Logs White Pine Logs
Feb. 9 26	Dec. 7/45	Pts. Fallon and Cleaver Twps.	31	John W. Fogg Limited Timmins, Ont.	White Pine Logs Jackpine Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood Other Pulpwood
Oct. 29 12	May 16/45	Berth O. 7, S. of Whitefish Lake and East of Berth 5, Thunder Bay Dist.	$10\frac{3}{4}$	Leahy Timber, Port Arthur, Ont.	Sawlogs Railway Ties Spruce Pulpwood Balsam Pulpwood
Nov. 20 20	Dec. 6/45	Pt. Bristol Twp.	8	Feldman Timber Co. Ltd., Schumacher, Ont.	All Species
Nov. 12 35	May 19/45	Pt. McElroy Twp.	13	Ed. Wilson Kirkland Lake, Ont.	Jackpine Logs Spruce Logs Poplar Logs Spruce Pulpwood Poplar Pulpwood

TABLE NO. 7

Timber Areas Transferred during the year ending March 31, 1946

Date Sold	Date Transferred	Locality	Area Square Miles	Transferree	Kind of Timber
Dec. 14/36	May 19/45	Pts. of McElroy and Hearst Twp.	$\frac{1}{4}$	Ed. Wilson, Kirkland Lake, Ont.	Spruce Logs Jackpine Logs Cedar Logs Spruce Pulpwood Poplar Pulpwood Fuelwood—Hard and Soft
Jan. 6/38	Oct. 29/45	Pt. Stoddart Twp.	26 $\frac{1}{2}$	Canada Forwarding Co. Ltd., 319 Bay St., Toronto, Ont.	Spruce Logs Spruce Pulpwood Balsam Pulpwood Jackpine Logs Poplar Logs Cedar Posts
Dec. 2/40	May 11/45	Pt. Blount Twp.	$\frac{1}{4}$	William E. King, Gardner, Ont.	Spruce Logs Spruce Pulpwood Balsam Pulpwood
Sept. 20/41	Dec. 6/45	Pt. Township 202	.5	Buchanan & Schultz, Echo Bay, Ont.	Red Pine Logs White Pine Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood
1881-82	May 16/45	Pt. Bethune Twp.	9	Peter Thompson & Sons, Creemore, Ont.	All Species
Nov. 13/28	Nov. 15/45	Pt. Adams Twp.	18	H. M. Widdifield, Timmins, Ont.	All Species
June 16/20	June 7/46	Pt. Ogden Twp.	3	Rupert D. McCleod, South Timmins, Ontario	Pine Timber Railroad Ties Spruce Pulpwood Balsam Pulpwood Other Pulpwood
1878-79	June 20/45	Pt. Abinger Twp.	12	Messrs. Hawley & Carruthers, P.O. Box 7, Belleville, Ont.	All Species
June 28/37	May 23/45	Pt. Aldina Twp.	$\frac{3}{4}$	Richard Ball, Kakabeka Falls, Ont.	All Species
Jan. 10/30	Dec. 15/45	Area in vicinity of Valora Stn., Dist. of Kenora	8	Great Lakes Paper Co. Ltd., 55 York St., Toronto, Ont.	Spruce Pulpwood Balsam Pulpwood
Aug. 15/30	May 29/45	Berth M. 29, District of Kenora	6	Dryden Paper Co. Ltd., Dryden, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood
Prior to 1878-79	Sept. 14/45	Sherbourne Twp.	2 $\frac{1}{4}$	Archibald W. McArthur, Owen Sound, Ont.	All Species



TABLE NO. 7

Timber Areas Transferred during the year ending March 31, 1946

Date Sold	Date Transferred	Locality	Area Square Miles	Transferree	Kind of Timber
Sale of 1885	April 26 /45	Berth 10A. Dist. of Sudbury	33	North Shore Timber Co. Ltd., Manitowaning, Ont.	All Species
1885	April 26 /45	Berth 10B. Sudbury District	13 $\frac{1}{2}$	North Shore Timber Co. Ltd., Manitowaning, Ont.	All Species
1885	April 26 /45	Berth 10C. Sudbury District	17 $\frac{1}{2}$	North Shore Timber Co. Ltd., Manitowaning, Ont.	All Species
1885	April 26 /45	Berth 10D. Sudbury District	28 $\frac{3}{4}$	North Shore Timber Co. Ltd., Manitowaning, Ont.	All Species
Oct. 27 /41	June 28 /45	Mafeking Twp.	4 $\frac{1}{4}$	Dryden Paper Co. Ltd., Dryden, Ont.	Jackpine Logs Spruce Logs Spruce Pulpwood Balsam Pulpwood
Oct. 5 /42	April 19 /45	Township 167 (Part) Algoma District	1	Earl Rowan, Blind River, Ont.	Birch Logs Hemlock Logs White Pine Logs Red Pine Logs
Sept. 28 /43	April 19 /45	Township 167 (Part) Algoma District	1	Earl Rowan, Blind River, Ont.	Birch Logs Other Hardwoods Hemlock Logs White Pine Logs Hardwood Ties
Dec. 19 /45	Mar. 31 /46	Pt. Herschel Twp.	2 $\frac{3}{4}$	Walter Scott & James W. Baskin, Norwood, Ont.	All Species
Dec. 2 /42	Jan. 26 /46	Pt. Twp. 202 Algoma District	1	A. J. Gavin & Sons, Gordon Lake, Ont.	Red Pine Logs White Pine Logs Jackpine Logs Spruce Pulpwood Balsam Pulpwood
Dec. 16 /40	Jan. 26 /46	Pt. Twp. 202 Algoma District	2	A. J. Gavin & Sons, Gordon Lake, Ont.	Red Pine Logs White Pine Logs Spruce Logs Jackpine Logs
Nov. 27 /39	Oct. 26 /45	Pt. Ferric Twp.	1 $\frac{1}{2}$	Humber Engineering Co. Ltd., 347 Church St. Mimico, Ont.	Hemlock Logs Spruce Logs Balsam Logs Hardwood Logs



A STOCK PILE OF PULPWOOD AT ESPANOLA



WINTER SCENE IN THE FORESTS OF TIMAGAMI



## TIMBER AGREEMENTS

	<i>Page</i>
Abitibi Power and Paper Company Limited	
Fort William Concession.....	163
Iroquois Falls Concession.....	173
Missinaibi Concession.....	181
Sault Ste. Marie Concession.....	188
Smooth Rock Falls Concession.....	197
Sturgeon Falls Concession.....	206
Don A. Clark, Limited.....	212
Feldman Timber Company, Limited.....	218
Field Lumber Company, Limited.....	222
Gillies Brothers and Company, Limited.....	227
Geo. Gordon and Company, Limited.....	233
Mountjoy Timber Company, Limited.....	237
Rudolph-McChesney Lumber Company, Limited.....	242
Thunder Bay Paper Company, Limited.....	246
A. E. Wicks, Limited.....	254

AGREEMENT made the 29th day of March, 1946:

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario  
as represented by the Minister of Lands and Forests (herein  
referred to as "the Crown")

OF THE FIRST PART

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART.

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council and subject to the provisions of Clause 6

(a) Doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;

(b) Doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946 (subject to the granting or renewal of a yearly license if and so long as such be required by The Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. In addition, the Company shall have the right for a period of one year from the date hereof or for such further period as the Minister may de-



termine to examine the lands described in Schedule "B" hereto and to select the whole or any part or parts thereof and thereupon the lands so selected shall be added to and form part of the Concession Area, and all the terms and conditions hereof shall apply to such additional lands.

4. If, during the term of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Fort William at present capacity, the Crown agrees, to the extent that it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

5. The Crown does not guarantee any quantity of timber on the Concession Area.

6. The rights granted by this Agreement to the Company are subject to any presently existing commitments of the Crown to Great Lakes Lumber & Shipping, Limited, but otherwise shall be exclusive subject to the terms and conditions hereof.

7. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

(a) For pulpwood cut on the Concession Area the following:

Spruce.....	\$1.65 per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75 " "	
Jackpine.....	\$ .50 " "	
Other pulpwood—Crown dues.		

(b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

8. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

9. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged timber in any year than it can reasonably produce and use in its operations.

10. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

11. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accord-

ance with the provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

12. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 1,822 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 1,822 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth (1/10th) of the said area of 1,822 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

If, pursuant to the foregoing provisions of Clause 3 hereof, the whole or any portion of the lands described in Schedule "B" are added to the Concession Area, then the aforesaid area of 1,822 square miles shall be increased by such number of square miles in the lands so added as shall be determined by the Minister.

While the rights of the Company under this Agreement are subject to any existing commitments of the Crown referred to in Clause 6, the aforesaid area shall be deemed to be reduced to such an extent as the Minister may determine.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.

13. If, and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

14. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 14 only, the word Company shall include both Abitibi Power & Paper Company, Limited, and Thunder Bay Paper Co., Limited.

15. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;
- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time;

provided that in respect of the lands described in Schedule "B" hereto or the part or parts thereof selected by the Company, the period of five years shall run only from the date upon which the Company shall make its selection under Clause 3 hereof.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or private lands, upon which it holds cutting rights, in such order as the Minister may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five-year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Fort William save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine; provided that the Port Arthur mill of the Company's subsidiary company, Thunder Bay Paper Co., Limited, shall be considered as part of the said mill of the Company so long as the mills are owned by a parent and a subsidiary or both by one company.

16. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

17. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

18. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

19. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

20. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

21. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

22. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

23. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate



and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

24. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

25. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however, agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

26. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

27. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

28. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

29. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

30. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

31. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

32. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained

of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

33. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

34. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

35. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.

36. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharge shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

"GORDON McMILLAN"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

ABITIBI POWER & PAPER  
COMPANY, LIMITED  
BY: "G. T. CLARKSON" (SEAL)  
RECEIVER AND MANAGER  
AND: "R. S. MCPHERSON"  
LIQUIDATOR.

#### SCHEDULE "A"

Referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

## FORT WILLIAM CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the District of Thunder Bay in the Province of Ontario and partly within the Nipigon Provincial Forest, containing 1,822 square miles, be the same more or less and more particularly described as follows:—

COMMENCING at a point in the west boundary of the Nipigon Provincial Forest where it is intersected by a base line run by Ontario Land Surveyors, Phillips & Benner, in the year 1922, said point of commencement being distant 6 miles, 53 chains and 35 links from the northwest angle of the Black Sturgeon River pulp and timber limit; thence westerly along the said base line 18 miles more or less to its intersection with a meridian line run by the said Ontario Land Surveyors in the year 1922; thence southerly along the said meridian line 12 miles more or less to a base line run by Ontario Land Surveyors, Phillips & Benner, in the year 1922; thence westerly along the said base line 20 miles more or less to the 4 mile post planted on the said base line; thence north astronomically 44 miles; thence east astronomically 52 miles more or less to the west shore of Lake Nipigon; thence in a general easterly and southerly direction following the shore of Lake Nipigon to a point where it is intersected by the north boundary of Indian Reserve No. 55; thence westerly to the northwest corner of the said Indian Reserve; thence southerly to the southwest corner of the said Indian Reserve; thence easterly along the southerly boundary of the said Indian Reserve to the shore of Lake Nipigon; thence in a general southerly direction following the shore of Lake Nipigon to a point on the west shore of Chief Bay where it is intersected by a line drawn east astronomically from the point of commencement; thence west astronomically 9 miles more or less to the point of commencement.

The territory described herein is shown coloured yellow on the map hereto annexed.

## SCHEDULE "B"

Referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

## FORT WILLIAM RESERVE

ALL AND SINGULAR that certain territory situate, lying and being in the Districts of Kenora and Thunder Bay in the Province of Ontario, containing a total area of 1,012 square miles, more or less, more particularly described as follows:—

## FIRSTLY:

COMMENCING at the intersection of the southwestern limit of the right of way of the Canadian Pacific Railway and the west boundary of the Township of Ignace; thence south astronomically to the boundary between the Districts of Kenora and Rainy River; thence easterly along the last mentioned boundary to the western boundary of the District of Thunder Bay; thence northerly thereon 33 miles more or less to the southern boundary of the Great Lakes Paper Company, Limited, Concession; thence west astronomically a distance of 22 miles more or less to the eastern limit of Parcel 7, Area "B", of the Great Lakes Paper Company, Limited, Concession; thence southerly 1 mile more or less to an angle in the said Parcel 7; thence westerly to the production northerly of the east boundary of Township 21; thence southerly to and along the east boundary of Township 21 to the southeast corner thereof; thence westerly along the south boundary of the said Township 21 to the southwestern limit of

the right of way of the Canadian Pacific Railway; thence northwesterly along the last mentioned limit to the point of commencement.

SAVING AND EXCEPTING the rights of the Licensees under the herein-after mentioned Crown Timber Licenses:

1. License Number: 112 of 1941-42.  
Licensee: Emil Sorenson.  
Area: Township 22, west of Agimac Lake and west of Locations L.K. 83, 84 and 86—1½ square miles more or less.  
Species: Jackpine logs, spruce 11" and up and pulpwood.
2. License Number: 80 of 1937-38.  
Licensee: Ontario-Minnesota Pulp and Paper Co.  
Area: East and west of Agimac Lake, South of Ignace Stn. on C.P.R. Berth M. 24—4 square miles.  
Species: White pine, and spruce pulpwood.
3. License Number: 41 of 1942-43.  
Licensee: J. A. Mathieu, Ltd.  
Area: Rea Lake—Parcel 1—36 square miles.  
Species: Red and white pine logs.
4. License Number: 93 of 1943-44.  
Licensee: Great Lakes Paper Co. Ltd.  
Area: Scotch River area—219 square miles.  
Species: Logs and spruce and balsam pulpwood.
5. License Number: 138 of 1937-38 (part).  
Licensee: Ontario-Minnesota Pulp and Paper Co.  
Area: 1½ square miles, more or less.  
Species: All kinds.
6. License Number: 142 of 1937-38 (part).  
Licensee: Ontario-Minnesota Pulp and Paper Co.  
Area: 34½ square miles more or less.  
Species: All kinds.

ALSO SAVING AND EXCEPTING the rights of the permit holder in respect of part of a permit area operated for all species by Earle Greer containing 93 square miles more or less.

The portion described as FIRSTLY herein contains an area of 705 square miles, more or less.

## SECONDLY:

COMMENCING at the intersection of the boundary between the Districts of Thunder Bay and Kenora with the southwestern limit of the right of way of the Canadian Pacific Railway Company, distant 1 mile more or less, north of the northwest corner of the Township of Pyramid; thence southeasterly following the said southwestern limit of the right-of-way to a line drawn north astronomically from a point in the south limit of the Township of Pyramid distant 1½ miles measured westerly thereon from the southeast corner of the said Township, thence south astronomically to the south boundary of the Township of Pyramid; thence east astronomically to the northeast corner of the west half of the Township of Colliver; thence south astronomically 8 miles; thence east astronomically 10 miles; thence south astronomically 3 miles; thence east astronomically 2 miles; thence south astronomically 1 mile more or less to the



south boundary of the Township of Inwood; thence west astronomically 14 miles; thence south astronomically a distance of  $6\frac{1}{2}$  miles more or less to the highwater mark on the southern shore of Relief Lake; thence westerly following the said highwater mark of Relief Lake; the southern bank of the river draining Relief Lake into Bedivere Lake; the highwater mark on the southern shore of Bedivere Lake, the river draining Bedivere Lake into Union Lake, and along the northern shore of Union Lake to the boundary between the Districts of Rainy River and Thunder Bay; thence northerly along the west boundary of the District of Thunder Bay to the point of commencement;

SAVE AND EXCEPTING therefrom the Indian Reserve No. 22A2 containing  $13\frac{1}{4}$  square miles more or less;

ALSO SAVING AND EXCEPTING the rights of the Licensee under the hereinafter mentioned Crown Timber License:

License Number:	97 of 1939-40 (part).
Licensee:	J. C. Greer.
Area:	Pyramid Township. 15 square miles, more or less.
Species:	Jackpine logs.

The portion described as SECONDLY herein contains an area of 181 square miles more or less.

#### THIRDLY:

COMMENCING at the northwest corner of G.T.P. Block No. 5; thence west astronomically 4 miles; thence north astronomically a distance of 6 miles, more or less, to a base line surveyed by K. G. Ross, O.L.S. in 1921; thence east astronomically along the said base line, 11 miles; thence south astronomically a distance of 6 miles more or less to the north boundary of G.T.P. Block No. 5; thence westerly along the last mentioned boundary to the point of commencement; containing an area of 66 square miles more or less.

#### FOURTHLY:

COMMENCING at the northeast corner of the Township of Trewartha; thence west astronomically 2 miles; thence south astronomically 3 miles; thence east astronomically to the western bank of Firesteel River; thence northeasterly following the said bank of Firesteel River to the intersection with its West Branch; thence northwesterly and northeasterly following the westerly bank of the said West Branch of Firesteel River to the south boundary of G.T.P. Block No. 5; thence west astronomically to the point of commencement, containing an area of 17 square miles, more or less.

#### FIFTHLY:

The Northeast Quarter of the Township of Stedman, containing an area of 9 square miles, more or less.

#### SIXTHLY:

COMMENCING at the northeast corner of the Township of Upsala; thence west astronomically to the northwest corner of the Township of Upsala; thence north astronomically to the south boundary of G.T.P. Block No. 5; thence east astronomically to the most westerly corner of the township of Hogarth; thence southeasterly along the southwestern boundary of the last mentioned Township to the most southerly corner thereof; thence southwesterly in a straight line to the northeast corner of the Township of Upsala and being the point of commencement, containing an area of 34 square miles, more or less.

The territory herein described is shown coloured red on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 29th day of March, 1946:

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests (herein referred to as "the Crown")

OF THE FIRST PART,

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART.

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in Council

(a) Doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;

(b) Doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946 (subject to the granting or renewal of a yearly license if and so long as such be required by The Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. In addition, the Company shall have the right for a period of seven years from the date hereof or for such further period as the Minister may determine to examine the lands described in Schedule "B" hereto and to select the whole or any part or parts thereof and thereupon the lands so selected shall be added to and form part of the Concession Area, and all the terms and conditions hereof shall apply to such additional lands.

4. If, during the term of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Iroquois Falls at present capacity, the Crown agrees, to the extent that

it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

5. The Crown does not guarantee any quantity of timber on the Concession Area.

6. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

(a) For pulpwood cut on the Concession Area the following:

Spruce.....	\$1.75	per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75	“ “	
Jackpine.....	\$ .50	“ “	
Other pulpwood—Crown dues.			

(b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

7. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

8. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged timber in any year than it can reasonably produce and use in its operations.

9. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

10. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accordance with the provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

11. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 4,383 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 4,383 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth (1/10th) of the said area of 4,383 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

If, pursuant to the foregoing provisions of Clause 3 hereof, the whole or any portion of the lands described in Schedule "B" are added to the Concession

Area, then the aforesaid area of 4,383 square miles shall be increased by such number of square miles in the lands so added as shall be determined by the Minister.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.

12. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

13. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 13 only, the word Company shall include both Abitibi Power & Paper Company, Limited and Thunder Bay Paper Co., Limited.

14. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;
- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time;



provided that in respect of the lands described in Schedule "B" hereto or the part or parts thereof selected by the Company, the period of five years shall run only from the date upon which the Company shall make its selection under Clause 3 hereof.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or private lands, upon which it holds cutting rights, in such order as the Minister may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Iroquois Falls save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine.

15. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

16. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

17. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

18. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

19. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

20. The Company, at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

21. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

22. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

23. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

24. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however, agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

25. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

26. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

27. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

28. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

29. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

30. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

31. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

32. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

33. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

34. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.

35. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharge shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

"GORDON McMILLAN"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LAND AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

ABITIBI POWER & PAPER COM-  
PANY, LIMITED

By: "G. T. CLARKSON" (SEAL)  
RECEIVER AND MANAGER.

AND: "R. S. McPHERSON"  
LIQUIDATOR.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### IROQUOIS FALLS CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the Districts of Cochrane and Temiskaming in the Province of Ontario, more particularly described as follows:—

FIRSTLY:

COMMENCING at the northeast corner of the Township of Clive, being on the inter-provincial boundary between the Province of Ontario and the Province of Quebec; thence west astronomically 24 miles; thence south astronomically 12 miles; thence west astronomically 12 miles; thence north astronomically 6 miles; thence west astronomically 6 miles; thence north astronomically 15 miles; thence east astronomically 12 miles; thence north astronomically 9 miles more or less to the north boundary of the Township of Blakelock; thence west astronomically 12 miles; thence north astronomically 6 miles; thence east astronomically 12 miles; thence north astronomically 18 miles; thence west astronomically 24 miles; thence north astronomically 6 miles; thence west astronomically 24 miles; thence south astronomically 24 miles; thence east astronomically 12 miles; thence south astronomically 12 miles; thence east astronomically 6 miles more or less to the production northerly of Speight's meridian line run in the year 1904; thence south astronomically 21 miles more or less to the



north boundary of the Township of Kennedy; thence east astronomically 6 miles more or less to the northeast corner of the Township of Kennedy; thence south astronomically to the southwest corner of the Township of Teefy; thence east astronomically to the southeast corner of the Township of Teefy; thence south astronomically to the southwest corner of the Township of Wilkie; thence east astronomically to the southeast corner of the Township of Coulson; thence south astronomically to the southwest corner of the Township of Munro; thence east astronomically to the southeast corner of the Township of Munro; thence south astronomically to the southwest corner of the Township of Melba; thence east astronomically to the inter-provincial boundary between the Province of Ontario and the Province of Quebec; thence north astronomically 72 miles more or less to the point of commencement.

SAVE AND EXCEPTING the following described areas:—

The Townships of Milligan and Warden.  
The Waters of Lake Abitibi and the islands therein.  
Indian Reserve No. 70.

ALSO SAVING AND EXCEPTING the rights of the Licensee under the hereinafter mentioned Crown Timber License:

License Number:	88 of 1943-44.
Licensee:	A. Boisvert.
Area:	5 square miles.
Species:	Red and white pine sawlogs on mainland; all species on Deer Island.

The territory firstly described herein contains a net area of 4,370 square miles more or less, and is shown coloured yellow on the map hereto annexed.

SECONDLY:

2 parcels in Laughton Township shown coloured green on the map hereto annexed, containing 13 square miles more or less.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

#### SCHEDULE "B"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### IROQUOIS FALLS RESERVE

ALL AND SINGULAR that certain territory situate lying and being in the District of Cochrane in the Province of Ontario, containing 4,260 square miles, be the same more or less and more particularly described as follows:—

COMMENCING at the northeast corner of the Township of Clive, being on the inter-provincial boundary between the Province of Ontario and the Province of Quebec; thence west astronomically 24 miles; thence south astronomically 12 miles; thence west astronomically 12 miles; thence north astronomically 6 miles; thence west astronomically 6 miles; thence north astrono-

mically 15 miles; thence east astronomically 12 miles; thence north astronomically 9 miles more or less to the north boundary of the Township of Blakelock; thence west astronomically 12 miles; thence north astronomically 6 miles; thence east astronomically 12 miles; thence north astronomically 18 miles; thence west astronomically 24 miles; thence north astronomically 6 miles; thence west astronomically 17 miles more or less to the east boundary of the Township of Harewood; thence north astronomically to the northeast corner of the Township of Carss; thence east astronomically 70 miles more or less to the inter-provincial boundary between the Province of Ontario and the Province of Quebec; thence south astronomically 82 miles more or less to the point of commencement.

The territory described herein is shown outlined in red on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 29th day of March, 1946;

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests (herein referred to as "the Crown")

OF THE FIRST PART

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART.

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council and subject to the provisions of Clause 4

- (a) doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;
- (b) doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946 (subject to the granting or renewal of a yearly license if and so long as such be required by The Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. The Crown does not guarantee any quantity of timber on the Concession Area.

4. The rights granted by this Agreement to the Company are subject to any presently existing commitments of the Crown to Pineland Timber Company Limited but otherwise shall be exclusive subject to the terms and conditions hereof.

5. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

(a) For pulpwood cut on the Concession Area the following:

Spruce.....	\$1.50	per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75	" "	
Jackpine.....	\$ .50	" "	
Other pulpwood—Crown dues.			

(b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

6. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

7. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more such damaged timber in any year than it can reasonably produce and use in its operations.

8. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same years.

9. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accordance with the provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

10. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 1,273 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 1,273 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth (1/10th) of the said area of 1,273 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

While the rights of the Company under this Agreement are subject to any existing commitments of the Crown referred to in Clause 4, the aforesaid area shall be deemed to be reduced to such an extent as the Minister may determine.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.

11. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

12. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 12 only, the word Company shall include both Abitibi Power & Paper Company, Limited and Thunder Bay Paper Co., Limited.

13. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;
- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or private lands, upon which it holds cutting rights, in such order as the Minister



may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five-year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Smooth Rock Falls or in its mill at Sault Ste. Marie or in part in one and in part in the other save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine.

14. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

15. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

16. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals, or matter of any other kind which shall be or may be injurious to game or fish life.

17. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

18. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

19. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

20. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

21. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

22. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

23. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however, agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

24. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

25. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

26. The Company hereby covenant and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

27. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

28. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

29. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

30. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

31. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of the Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

32. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

33. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.

34. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi

Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharge shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED in the presence of:	"W. G. THOMPSON" (SEAL) MINISTER OF LANDS AND FORESTS FOR THE PROVINCE OF ONTARIO.
"F. J. SULLIVAN"	ABITIBI POWER & PAPER COMPANY, LIMITED
"GORDON McMILLAN"	By: "G. T. CLARKSON" (SEAL) RECEIVER AND MANAGER. AND: "R. S. MCPHERSON" LIQUIDATOR.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### MISSINAIBI CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the Districts of Algoma and Sudbury in the Province of Ontario, more particularly described as follows:—

COMMENCING at the northwest corner of the Township of Walls; thence south astronomically to the southwest corner of the Township of Marjorie; thence east astronomically to the southeast corner of the Township of Marjorie; thence south astronomically to the southeast corner of the Township of Mildred; thence west astronomically to the southwest corner of the Township of Mildred; thence south astronomically to the southwest corner of the Township of Makawa; thence east astronomically to the northwest corner of the Township of Amik; thence south astronomically to the southwest corner of the Township of Amik; thence east astronomically to the west boundary of former Indian Reserve No. 76; thence north astronomically, 4 miles more or less, to the northwest corner of the said Indian Reserve; thence east astronomically along the north boundary of the said Indian Reserve to the northeast corner thereof; thence south astronomically to the intersection with the southeastern shore of Missinaibi Lake; thence in a southwesterly direction following the said shore of Missinaibi Lake to the intersection with the west boundary of the Township of Calais; thence south astronomically to the southwest corner of the Township of Busby; thence east astronomically to the southeast corner of the Township of Busby; thence south astronomically to the southwest corner of the Township of Lipsett; thence east astronomically to the southeast corner of the Township of Lipsett; thence north astronomically to the northeast corner of the Township of Lloyd; thence east astronomically to the southeast corner of the Township of Kirkwall; thence north astronomically to the northeast corner of the Township of Stefansson; thence west astronomically to the northwest corner of the Township of Coderre; thence north astronomically to the northeast corner of the Township of Hayward; thence west astronomically to the northwest corner of the



Township of Hayward; thence north astronomically to the northeast corner of the Township of Legge; thence west astronomically to the northwest corner of the Township of Legge; thence north astronomically to the northeast corner of the Township of Walls; thence west astronomically to the northwest corner of the Township of Walls, and being the point of commencement.

SAVING AND EXCEPTING the rights of the Licensees under the herein-after mentioned Crown Timber Licenses:—

1. License Number: 12 of 1944-45.  
Licensee: Pineland Timber Company.  
Area: Part Lloyd Township— $6\frac{1}{4}$  square miles.  
Species: Jackpine sawlogs (12" and over).
2. License Number: 13 of 1944-45.  
Licensee: Pineland Timber Company.  
Area: Part Lloyd Township— $17\frac{3}{4}$  square miles.  
Species: Jackpine sawlogs (12" and over).

The territory described herein contains a net area of 1.273 square miles more or less, and is shown coloured yellow on the map hereto annexed.

It is understood that whenever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 29th day of March, 1946:

BETWEEN:

HIS MAJESTY THE KING, in the right of the Province of Ontario as represented by the Minister of Lands and Forests (herein referred to as "the Crown")

OF THE FIRST PART,

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART.

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council and subject to the provisions of Clause 5

- (a) doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;
- (b) doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946, (subject to the granting or renewal of a yearly license if and so long as such be required by The

Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. If, during the term of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Sault Ste. Marie at present capacity, the Crown agrees, to the extent that it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

4. The Crown does not guarantee any quantity of timber on the Concession Area.

5. The rights granted by this Agreement to the Company are subject to any presently existing commitments of the Crown to Austin Lumber (Dalton) Limited but otherwise shall be exclusive subject to the terms and conditions hereof.

6. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

(a) For pulpwood cut on the Concession Area the following:

Spruce.....	\$1.50	per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75	" "	
Jackpine.....	\$ .50	" "	
Other pulpwood—Crown dues.			

(b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

7. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

8. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged timber in any year than it can reasonably produce and use in its operations.

9. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

10. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accordance with the

provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

11. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 6,972 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 6,972 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth ( $\frac{1}{10}$ th) of the said area of 6,972 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

While the rights of the Company under this Agreement are subject to any existing commitments of the Crown referred to in Clause 5, the aforesaid area shall be deemed to be reduced to such an extent as the Minister may determine.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.

12. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

13. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 13 only, the word Company shall include both Abitibi Power & Paper Company, Limited and Thunder Bay Paper Co., Limited.

14. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;
- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or private lands, upon which it holds cutting rights, in such order as the Minister may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five-year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Sault Ste. Marie save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine.

15. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually



removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area had been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

16. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

17. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

18. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

19. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

20. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

21. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

22. The Crown grants the Company the right to use the waters of all rivers' lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

23. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

24. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary

for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however, agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

25. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

26. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

27. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

28. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

29. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

30. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

31. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown, of any other such right or remedy.

32. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

33. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

34. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from the Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth therein.

35. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharges shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

"GORDON McMILLAN"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

ABITIBI POWER & PAPER COM-  
PANY, LIMITED

BY: "G. T. CLARKSON" (SEAL)  
RECEIVER AND MANAGER.  
AND: "R. S. MCPHERSON"  
LIQUIDATOR.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### SAULT STE. MARIE CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the districts of Thunder Bay, Algoma and Sudbury in the Province of Ontario, containing 6,972 square miles, be the same more or less and more particularly described as follows:—

FIRSTLY:

COMMENCING at the southeast corner of Township 4H in the District of Algoma; thence north astronomically to the southwest corner of Township 10G; thence east astronomically to the southeast corner of Township 10G; thence north astronomically to the northeast corner of Township 10G; thence west astronomically to the southeast corner of Township 11G; thence north astronomically to the northeast corner of Township 13G; thence west astronomically

to the southwest corner of Township 32; thence north astronomically to the northeast corner of Township 36; thence west astronomically to the northwest corner of Township 23, Range 23, and being on the limit between the Districts of Algoma and Sudbury; thence south astronomically to the southwest corner of Township 23, Range 23; thence west astronomically to the line between the east and west halves of Township 24, Range 22; thence south astronomically to the south boundary of the last mentioned Township; thence east astronomically to the southeast corner of Township 24, Range 22; thence south astronomically to the southeast corner of Township 24, Range 21; thence west astronomically to the southwest corner of the said Township; thence north astronomically to the northeast corner of Township 25, Range 22; thence west astronomically to the northwest corner of Township 25, Range 22; thence south astronomically to the southwest corner of the said Township; thence west astronomically to the southeast corner of Township 27, Range 22; thence north astronomically to the northeast corner of Township 27, Range 22; thence west astronomically to the northwest corner of Township 27, Range 22; thence south astronomically to the southwest corner of Township 27, Range 21; thence east astronomically to the northwest corner of Township 25, Range 20; thence south astronomically to the southwest corner of Township 25, Range 19; thence east astronomically to the southeast corner of Township 24, Range 19; thence south astronomically being along the limit between the Districts of Algoma and Sudbury and its production southerly to the southwest corner of Township 23, Range 13; thence east astronomically to the northwest corner of Township 5H; thence south astronomically to the southwest corner of Township 4H; thence east astronomically to the southeast corner of 4H, and being the point of commencement.

SAVING AND EXCEPTING the rights of the Licensees under the herein-after mentioned Crown Timber Licenses:

1. License Number: 134 of 1935-36.  
 Licensee: Austin Lumber (Dalton) Ltd.  
 Area: Berth W.D. 5—southwest of Windermere Lake, near Windermere Station on C.P.R. (Pt. Twp. 35).  
 21 square miles.  
 Species: Pine logs and pulpwood.
2. License Number: 146 of 1935-36.  
 Licensee: Austin Lumber (Dalton) Ltd.  
 Area: Berth W.D. 4 south of Windermere Lake on C.P.R.  
 20 square miles.  
 Species: Jackpine and spruce logs and pulpwood.
3. License Number: 144 of 1935-36.  
 Licensee: Austin Lumber (Dalton) Ltd.  
 Area: Berth W.D. 3 south of Windermere Lake near Windermere Station on C.P.R.  
 20 square miles.  
 Species: Pine logs.

## SECONDLY:

COMMENCING at a point where the south boundary of the Township of Pic in the District of Thunder Bay intersects the shore of Lake Superior; thence in a general southerly and easterly direction following the shore of Lake Superior to a point where it is intersected by the south boundary of Township 31, Range 21, in the District of Algoma; thence east astronomically to the southeast corner



of Township 30, Range 21; thence northerly following the east boundary of Townships 30, Range 21 and 30, Range 22, to the northeast corner of the last mentioned Township; thence east astronomically to the southeast corner of Township 28, Range 23; thence north astronomically to the northeast corner of the said Township; thence west astronomically to the southeast corner of Township 29, Range 24; thence north astronomically to the northeast corner of the last mentioned Township; thence west astronomically to the southwest corner of Township 33, Range 25; thence north astronomically to the northwest corner of Township 33, Range 26; thence east astronomically to the southeast corner of Township 49; thence south astronomically to the southwest corner of Township 48; thence east astronomically to the northwest corner of Township 25, Range 26; thence south astronomically to the southwest corner of the last mentioned Township; thence west astronomically to the northwest corner of Township 26, Range 25; thence south astronomically to the southwest corner of the last mentioned Township; thence east astronomically to the southeast corner of Township 43; thence north astronomically to the northeast corner of the last mentioned Township; thence east astronomically to the southeast corner of Township 44; thence north astronomically to the northeast corner of the last mentioned Township; thence west astronomically to the line between the east and west halves of Township 46; thence north astronomically 3 miles; thence east astronomically to the east boundary of Township 46; thence north astronomically to the north boundary of the Township of Acton; thence west astronomically to the southeast corner of the Township of Simpson; thence north astronomically to the northeast corner of the last mentioned Township; thence west astronomically to the southeast corner of the Township of Mosambik; thence north astronomically 6 miles; thence west astronomically 9 miles more or less to the west boundary of the Township of Mosambik; thence south astronomically to the southwest corner of the last mentioned Township, thence west astronomically  $3\frac{1}{2}$  miles more or less to the intersection with a line drawn north astronomically from the southwest corner of Township 60; thence south astronomically to the southwest corner of Township 60; thence west astronomically to the southeast corner of Township 62; thence north astronomically to the northeast corner of the last mentioned Township and thence west astronomically to the northwest corner of Township 62; thence north astronomically 6 miles; thence west astronomically 6 miles to the northeast corner of Township 66; thence north astronomically 30 miles; thence west astronomically 13 miles more or less to the limit between the District of Thunder Bay and the District of Algoma; thence north astronomically thereon 6 miles; thence west astronomically 8 miles more or less to the eastern limit of the watershed of the Black River; thence following the eastern limit of the watershed of the Black River to the shore of Lake Superior and which limit may be approximately located as being along the following courses: south astronomically 3 miles; thence west astronomically 4 miles; thence south astronomically 8 miles; thence west astronomically 5 miles; thence south astronomically 17 miles; thence west astronomically 3 miles; thence south astronomically 4 miles; thence west astronomically 10 miles more or less to the east boundary of the former Pic River pulp and timber limit; thence south astronomically 6 miles more or less to the production easterly of the south boundary of the Township of Pic; thence west astronomically to and along the south boundary of the Township of Pic to the point of commencement at the shore of Lake Superior.

SAVE AND EXCEPTING the following described areas:

Township 63.

The Township of St. Julien and that part of the Township of Glasgow forming part of the A.C.R. lands.

Indian Reserve No. 49.

ALSO SAVING AND EXCEPTING the rights of the Licensee under the hereinafter mentioned Crown Timber License:

License Number:	143 of 1935-36.
Licensee:	Austin Lumber (Dalton) Ltd.
Area:	Block 5 on C.P.R. West of White River Townships 69, 70 E $\frac{1}{2}$ 71. 90 square miles.
Species:	Pine logs.

### THIRDLY:

Townships 28, Ranges 19 and 20; Townships 29, Ranges 19 and 20; Townships 26, Ranges 17 and 18; Townships 27, Ranges 17 and 18; Townships 25, Ranges 15 and 16; Townships 28, Ranges 15 and 16, Township 29, Range 16, Townships 30, Ranges 17 and 18; Township 31, Range 18; that part of Township 31, Range 19, exclusive of that part originally forming part of the A.C.R. lands; Township 22, Range 10; Township 24, Range 11; the west half of the Township of Whitman; the east halves of the Townships of Tupper and VanKoughnet; the Townships of Palmer and Ryan; that part of the Township of Marne exclusive of that part originally forming part of the A.C.R. lands.

The territory described herein is shown coloured yellow on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 29th day of March, 1946:

### BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests (herein referred to as "the Crown")

OF THE FIRST PART,

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART.

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council

- (a) doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;

- (b) doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946 (subject to the granting or renewal of a yearly license if and so long as such be required by The Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. If, during the terms of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Smooth Rock Falls at present capacity, the Crown agrees, to the extent that it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

4. The Crown does not guarantee any quantity of timber on the Concession Area.

5. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

- (a) For pulpwood cut on the Concession Area the following:
- |                            |                 |             |
|----------------------------|-----------------|-------------|
| Spruce.....                | \$1.90 per cord | Inclusive   |
| Balsam.....                | \$ .75 " "      | of          |
| Jackpine.....              | \$ .50 " "      | Crown Dues. |
| Other pulpwood—Crown dues. |                 |             |

- (b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

6. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

7. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged timber in any year than it can reasonably produce and use in its operations.

8. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

9. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accordance with the provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

10. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 1,508 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 1,508 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth (1/10) of the said area of 1,508 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.

11. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

12. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 12 only, the word Company shall include both Abitibi Power & Paper Company, Limited and Thunder Bay Paper Co., Limited.

13. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;



- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or private lands, upon which it holds cutting rights, in such order as the Minister may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five-year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Smooth Rock Falls save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine.

14. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which

examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

15. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

16. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

17. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

18. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

19. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

20. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

21. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

22. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

23. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however, agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may

require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

24. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

25. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

26. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

27. In this Agreement "Minster" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

28. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

29. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

30. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

31. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

32. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event,

the Company's rights hereunder shall continue as though no such default had occurred.

33. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.

34. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharge shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

"GORDON McMILLAN"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

ABITIBI POWER & PAPER COM-  
PANY, LIMITED

By: "G. T. CLARKSON" (SEAL)  
RECEIVER AND MANAGER.  
AND: "R. S. MCPHERSON"  
LIQUIDATOR.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### SMOOTH ROCK FALLS CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the Districts of Sudbury and Cochrane in the Province of Ontario, more particularly described as follows:—

COMMENCING at the southwest corner of the Township of Regan; thence north astronomically to the northwest corner of the Township of Frey; thence west astronomically to the southwest corner of the Township of Enid; thence north astronomically to the south boundary of Indian Reserve No. 73; thence east astronomically to the southeast corner of the said Indian Reserve; thence north astronomically along the east boundary of the said Indian Reserve to the north-east corner thereof; thence west astronomically to the west boundary of the said Township of Enid; thence north astronomically to the northwest corner of the Township of Enid; thence east astronomically to the southeast corner of the Township of Fortune; thence north astronomically to the north boundary of the 1st concession of the Township of Machin; thence west astronomically to the southeast corner of Lot 13 in the 2nd concession of the said Township of Machin; thence north astronomically to the north boundary of the 3rd concession of the



said Township of Machin; thence west astronomically along the said north boundary of the 3rd concession of the Township of Machin and its production to the eastern bank of Groundhog River; thence in a northerly direction following the said bank of Groundhog River to the intersection with the north boundary of the said Township of Machin; thence east astronomically to the line between the east and west halves of the Township of Adanac; thence north astronomically along the last mentioned line to the north boundary of the Township of Adanac; thence east astronomically to the northeast corner of the Township of Adanac; thence south astronomically to the northwest corner of the Township of Colquhoun; thence east astronomically to the northeast corner of the Township of Colquhoun; thence south astronomically to the south boundary of the 4th concession of the said Township of Colquhoun; thence west astronomically along the said south boundary of the 4th concession to the west boundary of the Township of Colquhoun; thence south astronomically to the southeast corner of the Township of Bradburn; thence west astronomically to the northeast corner of the Township of Laidlaw; thence south astronomically to the southeast corner of the Township of Kirkland; thence east astronomically to the northeast corner of the Township of Mahaffy; thence south astronomically to the northwest corner of the Township of Jessop; thence east astronomically to the northeast corner of the Township of Jessop; thence south astronomically to the southeast corner of the Township of Jessop; thence west astronomically to the southwest corner of the Township of Jamieson; thence south astronomically to the southeast corner of the Township of Carscallen; thence west astronomically to the southwest corner of the Township of Whitesides; thence south astronomically to the southeast corner of the Township of Regan; thence west astronomically to the southwest corner of the Township of Regan, and being the point of commencement.

#### SAVE AND EXCEPTING THEREFROM:

In the Township of Kendrey—

Lots 19 to 28 (both inclusive) in Concessions 5 to 10 (both inclusive).

In the Township of Haggart:

Lots 1, 2 and 3 in Concessions 6 and 7.

Lots 1 to 28 (both inclusive) in Concessions 8 and 9.

Lots 13 to 28 (both inclusive) in Concession 10.

Lots 18 to 28 (both inclusive) in Concession 11.

ALSO SAVING AND EXCEPTING the rights of the Licensees under the hereinafter mentioned Crown Timber Licenses:

1. License Number: 14 of 1941-42.  
 Licensee: E. Gravel.  
 Area: Lots 1-6, Cons. 1-2, Alexandra.  
 Lots 4-5, Con. 10, Haggart.  
 3½ square miles—approximately.  
 Species: Spruce and balsam pulpwood (not exportable).
2. License Number: 15 of 1939-40.  
 Licensee: P. Guevremont.  
 Area: Lots 12-13, Con. 12, Haggart.  
 ½ square mile—approximately.  
 Species: Spruce and balsam.

3. License Number: 38 of 1940-41.  
Licensee: Filion and Guevremont.  
Area: Lots 10-12, Con. 11, Haggart.  
Lots 10-11, Con. 12, Haggart.  
1 $\frac{1}{4}$  square miles—approximately.  
Species: Spruce and balsam.
4. License Number: 15 of 1941-42.  
Licensee: Filion and Guevremont.  
Area: Lots 19-28, Cons. 1-2, Haggart.  
Lots 13-28, Cons. 3-5, Haggart.  
16 square miles—approximately.  
Species: Spruce and balsam.
5. License Number: 74 of 1945-46.  
Licensee: P. Guevremont.  
Area: Lot 15, Con. 8, Kendrey.  
Lots 15-16, Con. 9, Kendrey.  
 $\frac{3}{4}$  square mile—approximately.  
Species: Spruce and balsam (not exportable).
6. License Number: 76 of 1944-45.  
Licensee: P. Guevremont.  
Area: Lots 13-14, cons. 7-8, Kendrey.  
1 square mile—approximately.  
Species: Spruce and balsam.
7. License Number: 119 of 1944-45.  
Licensee: L. Ouellette.  
Area: Lots 9-10, Con. 7 Kendrey.  
 $\frac{1}{2}$  square mile—approximately.  
Species: Spruce and balsam (not exportable).
8. License Number: 61 of 1942-43.  
Licensee: P. Guevremont.  
Area: Lots 11-16, Con. 6 Kendrey.  
1 $\frac{1}{2}$  square miles—approximately.  
Species: Spruce and balsam.
9. License Number: 57A of 1941-42.  
Licensee: Chartrand and Shirley.  
Area: Lots 7-18, Cons. 1-4, Kendrey.  
11 $\frac{1}{2}$  square miles—approximately.  
Species: Spruce, balsam and poplar.
10. License Number: 13 of 1941-42.  
Licensee: J. M. Charpentier.  
Area: Lots 1-6, Con. 1, Kendrey.  
1 $\frac{1}{2}$  square miles—approximately.  
Species: Spruce and balsam.
11. License Number: 16 of 1944-45.  
Licensee: Pineland Timber Co. Ltd.  
Area: Kenogaming Twp.  
48 square miles—approximately.  
Species: Pine and spruce logs.

The territory described herein contains a net area of 1508 square miles more or less, and is shown coloured yellow on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 29th day of March, 1946:

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests (herein referred to as "the Crown")

OF THE FIRST PART,

—and—

ABITIBI POWER & PAPER COMPANY, LIMITED, a company incorporated under the laws of the Dominion of Canada, herein acting and represented by GEOFFREY TEIGNMOUTH CLARKSON, Receiver and Manager of the undertaking, property and assets thereof, and ROY SHARVELL McPHERSON, the Liquidator thereof (herein referred to as "the Company")

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. If, during the term of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Sturgeon Falls at present capacity, the Crown agrees, to the extent that it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

4. The Crown does not guarantee any quantity of timber on the Concession Area.

5. The Company shall pay to the Treasurer of the Province of Ontario the following prices for pulpwood cut on the Concession Area:

Spruce.....	\$1.50 per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75 “ “	
Jackpine.....	\$ .50 “ “	
Other pulpwood—Crown Dues.		

6. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for pulpwood cut for domestic manufacture and applicable throughout the Province of Ontario.

7. At the written direction of the Minister the Company shall cut and remove merchantable damaged pulpwood on the Concession Area at such lesser

rates, based on the value in the damaged pulpwood, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged pulpwood in any year than it can reasonably produce and use in its operations.

8. Proper sworn returns of the quantity of pulpwood cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

9. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord.

10. For the purpose of calculating fire protection charges, the Concession Area shall be deemed to comprise 2,483 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 2,483 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable pulpwood, the aforesaid area may be reduced to such extent as the Minister may determine.

11. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges in respect of the area of such part.

12. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of



dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 12 only, the word Company shall include both Abitibi Power & Paper Company, Limited, and Thunder Bay Paper Co., Limited.

13. Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Sturgeon Falls save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine.

14. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable pulpwood which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said pulpwood estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such pulpwood without further charge. The cutting and removing of the pulpwood on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

15. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

16. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

17. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

18. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

19. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

20. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character,

the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

21. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

22. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

23. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto.

24. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Concession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

25. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

26. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

27. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

28. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

29. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

30. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

31. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

32. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

33. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.

34. The Crown has entered into this agreement with a view to facilitating the reopening and bringing into operation of the Company's mill at Sturgeon Falls for the conversion of pulpwood into some product whether newsprint or otherwise. The Company, therefore, covenants and agrees with the Crown that, after the consummation of its Plan of Reorganization dated May 10, 1945, it will cause to be completed with all reasonable despatch all engineering studies, investigations and researches that may be required by the Company to enable it to reach a conclusion on the reopening of the said mill and that it will advise the Minister of its decision as soon as it is reached. If the Company's decision be not to reopen the mill it will co-operate with the Crown toward procuring a purchaser for the said mill who will as a term of the purchase covenant and agree to reopen and bring the mill into operation for the conversion of pulpwood into some product. The Crown will not withhold its consent to the assignment of this agreement to such a purchaser who will so covenant and agree with the Crown.

If by the 1st day of April, 1951, the Company or a successor or assign shall not have brought the said mill into operation for the conversion of pulpwood into some product the Minister may by notice in writing to the Company or its successor or assign forthwith terminate this agreement; and if this agreement is terminated by operation of this Clause the Company shall not be entitled to

receive any abatement or repayment of fire protection charges under Clause 11 hereof.

35. IT IS UNDERSTOOD AND AGREED that all personal liability hereunder of Geoffrey Teignmouth Clarkson, Receiver and Manager of Abitibi Power & Paper Company, Limited and of Roy Sharvell McPherson, Liquidator thereof, shall cease and determine upon their discharge by Order of the Supreme Court of Ontario from the said offices respectively and until such discharge shall be limited to the assets of the Company from time to time in their respective hands as such and available for their indemnification.

IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

"GORDON McMILLAN"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

ABITIBI POWER & PAPER COM-  
PANY, LIMITED

By: "G. T. CLARKSON" (SEAL)  
RECEIVER AND MANAGER.  
AND: "R. S. MCPHERSON"  
LIQUIDATOR.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Abitibi Power & Paper Company, Limited, of the Second Part.

#### STURGEON FALLS CONCESSION

ALL AND SINGULAR that certain territory situate, lying and being partly in the Districts of Timiskaming, Sudbury and Nipissing in the Province of Ontario, containing 2,483 square miles be the same more or less and more particularly described as follows:—

COMMENCING at the northwest corner of the Township of North Williams; thence south astronomically to the southwest corner of the said Township; thence east astronomically 3 miles; thence south astronomically 6 miles more or less to the south boundary of the Township of Dufferin; thence east astronomically 3 miles more or less to the northeast corner of the Township of Stull; thence south astronomically to the southeast corner of the Township of Valin; thence east astronomically to the northeast corner of the Township of Howey; thence south astronomically to the southwest corner of the Township of Telfer; thence east astronomically to the southeast corner of the Township of Telfer; thence south astronomically to the intersection with the northern shore of Wanapitei Lake; thence in a general southerly direction following the northern and eastern shore of Wanapitei Lake to its intersection with the west boundary of the Township of Scadding; thence south astronomically to the southwest corner of the Township of Scadding; thence east astronomically to the southeast corner of the Township of Thistle; thence south astronomically to the southwest corner of the Township of Grant; thence east astronomically to a point in the western limit of the right-of-way of the Temiskaming and Northern Ontario Railway; thence in a general northwesterly direction following the western limit of the said right-of-way to the point of intersection with the north



boundary of the Township of Askin; thence west astronomically to the southwest corner of the Township of Joan; thence north astronomically to the northeast corner of the Township of Belfast; thence west astronomically to a point distant 3 miles east of the southwest corner of the Township of LeRoche; thence north astronomically to the south boundary of the Township of Medina; thence west astronomically to the southwest corner of the Township of Medina; thence north astronomically to the northeast corner of the Township of Sladen; thence west astronomically to the southeast corner of the Township of Corley; thence north astronomically to the northeast corner of the Township of Corley; thence west astronomically to the southeast corner of the Township of Ray; thence north astronomically to the northeast corner of the Township of Ray; thence west astronomically to the northwest corner of the Township of North Williams and being the point of commencement.

The territory described herein is shown coloured yellow on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

AGREEMENT made the 28th day of June, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

DON. A. CLARK LIMITED, hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. The Crown, with the consent and approval of the Lieutenant-Governor in-Council, and through the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, doth grant to the Company, for a period expiring the 7th day of October, 1962 and commencing on the 1st day of April, 1945, the right to cut, remove and export the kinds and classes of timber specified in Clause 2 of this Agreement, on the lands described in Schedule "A" hereto.

2. The Company shall pay to the Treasurer of the Province of Ontario for timber cut on the said area under the terms hereof the following prices until the 1st day of April, 1950:

For timber cut and exported under the terms of this Agreement,—

Spruce pulpwood.....	\$1.45 per cord
Balsam ".....	.70 " "

The above rates are inclusive of Crown dues.

The Company shall pay an additional charge for permission and authority to export pulpwood at the rate of sixty-five cents (65c.) per cord until the 31st day of December, 1946, and thereafter the said charge shall be as determined by the Minister.

3. Wherever on the said area there is marketable timber suitable for conversion into products other than pulpwood, the Company may, or at the written direction of the Minister shall, cut the same at such prices as he may determine. Such timber shall be utilized as directed by the Minister, but such operation shall be only on those portions of the said area not under timber license; provided that if the Company does not desire to utilize such timber it may notify the Minister within six (6) months of the date of this Agreement, in writing. In such event the Minister may authorize any person, firm or corporation to so utilize such timber.

4. If and as the Minister shall direct, the Company will furnish for domestic use up to 20% of the pulpwood cut from the said area during any operating season, and the price to be paid by the purchaser to the Company for such pulpwood shall be the prevailing market price in the district for pulpwood of the same quality produced in the same year and supplied in similar quantities for domestic use, and in any event the price shall not be less than the cost of production.

5. The rates in Clause 2 hereof shall be as determined by the Minister from and after the 1st day of April, 1950 for the balance of the term set out in Clause 1 hereof.

6. The Company shall have the privilege of exporting the pulpwood cut on the area in Schedule "A" hereto, and such other area as may be reserved for the Company as provided for in Clause 8 hereof, until the 7th day of October, 1962, notwithstanding the provisions of any Act or Regulations from time to time in force respecting the exportation of pulpwood, provided that the Company shall be permitted to remove and export until the end of the shipping season 1963 the balance, if any, of the pulpwood cut by it on the said area prior to the said 7th day of October, 1962.

7. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

8. A forest survey of the said area shall be conducted and prepared by the Company, before the 1st day of July, 1946, which shall show the forest types, forest age classes, and the estimated quantity of timber by forest types. If in the opinion of the Minister the said area does not appear to contain sufficient Spruce and Balsam pulpwood to meet the requirements of this Agreement, an additional area lying East of Sturgeon Lake and South of the Canadian National Railway will be held in reserve by the Crown until the 1st day of August, 1946 for the use of the Company, so that the said Company may cut such additional pulpwood from the said reserve area during the currency of this Agreement, as determined by the Minister, in order to make up a total cut from the area in Schedule "A" and the said reserve area to meet the requirements of this Agreement. If the Company elects to utilize such reserve area, written notification shall be given to the Minister by the Company before the 1st day of August, 1946.

9. The Company shall operate in accordance with good forestry practice, and within three (3) years from the date hereof shall file in the Department a working plan prepared by the said Company, which shall be satisfactory to the Minister, providing a general scheme for the operation and management of the said area, to the end that it will be kept productive and in accordance with The Pulpwood Conservation Act.

10. Sixty (60) days before commencing operations in any season the Company shall give such particulars as the Minister may require as to the proposed operation, and shall obtain the consent in writing of the Minister to proceed

with such operation, and within sixty (60) days from the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

11. At the direction of the Minister, the Company shall cut merchantable damaged Spruce and Balsam timber, at rates to be determined by the Minister.

12. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise 150 square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of \$11.40 per square mile on an area of 150 square miles, commencing from the 1st day of April, 1945. Interest at the rate of Six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

13. The Company shall cut a minimum of 7,500 cords and not exceed a maximum of 25,000 cords of Spruce and Balsam pulpwood for export in each operating season during the currency of this Agreement.

14. The Company upon the execution of this Agreement shall deposit with the Crown the sum of Ten Thousand Dollars (\$10,000.00) of lawful money of Canada, or such other security as the Minister may approve, to be held by the Crown for the due performance of its obligations hereunder.

15. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

16. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries.

17. The Crown reserves and excepts from the cutting areas all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands, together with the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

18. Proper sworn returns of the quantity of timber cut each season shall be made to the Crown in conformity with the Regulations under The Crown Timber Act, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum.

19. Timber shall be measured in accordance with the provisions of The Manual of Scaling Instructions now or hereafter approved by the Crown.

20. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which

should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

21. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

22. No refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game and fish life shall be placed in or deposited in any river, stream or other waters.

23. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the areas covered by this Agreement for the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within the area or areas covered by this Agreement.

24. All water powers and privileges on the said areas, together with the right of the Crown to raise, hold, lower or maintain the waters of the rivers, streams and lakes in the said areas at such height and in such condition as may be found necessary and expedient for the development of the said water powers and privileges, are reserved to the Crown.

25. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto, and all Regulations and Orders made thereunder, concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

26. This Agreement shall be subject to all Acts of the legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

27. The Company shall exercise due diligence in ascertaining whether or not the timber on the areas therein specified is being infected by insects or disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

28. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements provided by The Industrial Standards Act



or such other statutory enactments in that behalf as are now or may hereafter be in force.

29. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Port Arthur, Ontario, declare the rights of the Company hereunder forfeited, and declare the cash deposits and other collateral securities deposited herein forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

30. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default if, in the opinion of the Minister, the cause of such default justifies the waiving of such right, and thereupon this Agreement shall be construed and the Company's rights hereunder shall continue as though no such default had occurred.

31. The Company is granted under this Agreement no right to the soil or freehold of the said areas, or to the use thereof except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto.

32. The Company shall co-operate to the satisfaction of the Minister in the purchase of pulpwood produced by bona-fide settlers and pulpwood available and produced from the operations of adjacent licensees. All bona-fide accounts due for settlers' pulpwood purchased by the Company shall constitute a first claim against the Company.

33. All officers of the Crown, including supervisors, scalers, scalers' assistants, and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

34. Immediately upon the execution of these presents, the Company shall have the right to commence the construction of logging roads and other improvements necessary to its proposed operations on the area hereby granted to it.

35. Should the Company establish any community for the purpose of utilizing the timber on the areas set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before establishment of such community deposit with the Crown in the Department of Lands and Forests \$5,000.00 in cash or a bond approved by the Minister in the said sum of \$5,000.00.

36. If, in consequence of scientific or economic developments, Hammermill Paper Company shall abandon the operation of its pulp mill at Erie, Pennsylvania, the Company shall surrender to the Crown its rights hereunder, and its rights, title and interest in the pulpwood shall revert to the Crown without the Company being subject to any penalty other than the payment of all current Crown dues, bonuses and export charges as might then be due and payable by the Company.

37. In case of disagreement as to the true intent and meaning of this Agreement, the case shall be referred to arbitration under The Arbitration Act (Ontario), R.S.O. 1937, Chapter 109.

38. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

39. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "operating season" shall be defined by the Regulations under The Crown Timber Act.

40. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. A. MacDOUGALL"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.  
DON. A. CLARK, LIMITED.  
By: "W. COCHRAN",

PRESIDENT.

(SEAL)

AND: "ELEANOR NASI"  
SECRETARY.

#### SCHEDULE "A"

To Agreement made the 28th day of June, A.D. 1945 between His Majesty the King and Don. A. Clark, Limited, being description of the area mentioned in the said Agreement.

ALL AND SINGULAR that certain territory situate in the Districts of Kenora and Thunder Bay, containing an area of 221 square miles, be the same more or less, and which may be more particularly described as follows:

COMMENCING at a point in the eastern boundary of Block No. 8 of The Grand Trunk Pacific Railway land grant where it is intersected by the 6th baseline run by Ontario Land Surveyor Niven in 1897;

THENCE north astronomically to the intersection with the southern limit of the right of way of the Canadian National Railway;

THENCE in a general easterly direction following the southern limit of the right of way of the Canadian National Railway to a road running southerly to Sturgeon Lake from Savant Lake Station;

THENCE in a general southerly direction following the said road to the intersection with the Northwestern Arm of Sturgeon Lake;

THENCE continuing in a general southerly direction following the western shore of Sturgeon Lake to the intersection with the 6th baseline, mentioned aforesaid;

THENCE west astronomically along the said baseline  $19\frac{1}{2}$  miles, more or less, to the point of commencement.

TOGETHER with the two large islands in Sturgeon Lake lying near the west shore thereof, designated as A and B on sketch hereto annexed;

SAVE AND EXCEPTING thereout and therefrom the area under Crown Timber License No. 97 of the years 1934-1935 containing 2 square miles, more or less.

AGREEMENT made the 16th day of August, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

FELDMAN TIMBER COMPANY, LIMITED, hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor-in-Council, and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor-in-Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1945, the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" hereto, and being part of the Timagami Provincial Forest.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

(a) Red and White Pine.....	\$8.50	per	M. ft.	B.W.,	Doyle	Rule,			
Spruce                   ".....	7.50	"	"	"	"	"	"	"	"
Jackpine               ".....	7.00	"	"	"	"	"	"	"	"

inclusive of Crown dues and Forest Management charges.

(b) Spruce and Balsam Pulpwood—at rates to be set by the Minister.

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise One hundred and Twenty-five (125) square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of Eleven Dollars and Forty Cents (\$11.40) per square mile on an area of 125 square miles, commencing the First day of April, A.D. 1945. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

5. The Company shall operate so that there shall be an orderly utilization of all timber, including pulpwood, consistent with market requirements, and on or before the Thirtieth (30th) day of June in each operating season the Company will estimate the approximate production of Spruce and Balsam pulpwood for the operating season next following, and the Abitibi Power & Paper Company, Limited shall have the first opportunity to purchase the said pulpwood which the Company will produce from year to year.

6. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries, but in no case will authorization be given until after failure on the part of the Company to deal, and in no event

shall the total quantity cut exceed in any one year seventy-five thousand feet (75,000 ft.) of timber, log scale, or its equivalent in other products.

7. As security for the due performance by the Company of its obligations hereunder, the Company shall deposit with the Crown the sum of Ten Thousand Dollars (\$10,000.00). The deposit of the Company in the amount of Fifty-three Hundred Dollars (\$5,300.00) cash with respect to Agreements between the Crown and the Company for the licensed areas in the Townships of Keefer and Gouin shall form and be part of the said deposit of Ten Thousand Dollars (\$10,000.00.)

8. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Schumacher, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

9. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such right.

10. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

11. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of The Provincial Forests Act.

12. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

13. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

14. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The



cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

15. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.

16. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

17. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

18. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within Schedule "A" hereto.

19. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

20. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

21. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

22. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

23. The timber cut from the area in Schedule "A" hereto in any one year will be limited so that the production of the Company's mill presently estab-

lished will not exceed 50,000 feet, mill scale, per diem during the currency of this Agreement.

24. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before the establishment of such a community deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000.00) in cash or a bond approved by the Minister in the said sum of Five Thousand Dollars (\$5,000.00).

25. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

26. All officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

27. If, upon the termination of the said period of ten (10) years, the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

28. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

29. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

30. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

31. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. A. MACDOUGALL"

"W. H. PHILLIPS"

"E. MENARD"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.  
FELDMAN TIMBER COMPANY,  
LIMITED.

By: "A. FELDMAN"

AND: "L. FELDMAN"

(SEAL)

## SCHEDULE "A"

This is Schedule "A" referred to in the Agreement between His Majesty the King and the Feldman Timber Company, Limited, dated the 16th day of August, A.D. 1945.

The Townships of Sothman, Nursey, Moher and that portion of Beemer Township west of Peter Long Lake.

THIS AGREEMENT made this 20th day of July, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

FIELD LUMBER COMPANY, LIMITED, hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor-in-Council, and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor-in-Council, doth grant to the Company for a period of ten (10) years from the First day of April, 1945 the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedules "A" and "B" hereto.

2. The Company shall pay to the Treasurer of the Province of Ontario, on behalf of the Crown, the following rate for timber cut on the area described in Schedule "A";

Red and White Pine Sawlogs . . . . . \$9.50 per M.B.M., Doyle Rule.

The above rate includes Crown dues and charges in the amount of One Dollar (\$1.00) per thousand with respect to Forest Management which, if carried out by the Company pursuant to instructions of the Crown, will be credited to the Company's account for dues for the amount expended in Forest Management by the Company from year to year, but not to exceed in any one year an amount equal to One Dollar (\$1.00) per thousand for red and white pine cut on the area in the said Schedule "A" in such year.

The Company shall pay to the Treasurer of the Province of Ontario, on behalf of the Crown, the following rate for timber cut on the area described in Schedule "B";

Red and White Pine Sawlogs—\$7.50 per M.B.M., Doyle Rule,  
inclusive of Crown dues.

3. The Company shall pay annually in advance ground rent and fire protection charges at the rate of \$11.40 per square mile on an area of 137 square miles, commencing from the First day of April, 1945. Interest at the rate of Six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty days from the due date.

4. At the direction of the Minister, the Company shall cut merchantable damaged timber, at rates to be determined by the Minister.

5. Wherever there is mixed with Pine on the areas operated by the Company timber which is, in the opinion of the Minister, suitable for pulpwood, the Company shall be required to cut such timber as the Minister shall direct, providing a market for such pulpwood exists.

6. The deposit of the Company in the amount of Ten Thousand Dollars (\$10,000.00) for the due performance by the Company of its obligations under Agreements now in effect between the Crown and the Company shall be considered a deposit by the Company and be held by the Crown for the due performance by the Company of its obligations under this Agreement.

7. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may, upon 60 days' notice in writing given to the Company, at its Head Office at Field, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposit and other securities herein forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, Acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

8. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such rights.

9. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

10. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of The Provincial Forests Act.

11. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

12. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

13. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part



thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

14. No refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game and fish life shall be placed in or deposited in any river, stream or other waters.

15. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto, and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

16. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force, and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

17. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within Schedules "A" and "B" hereto.

18. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other statutory enactments in that behalf as are now or may hereafter be in force.

19. The Company covenants and agrees that it will manufacture all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister, in the Province of Ontario.

20. It is understood and agreed that no operations other than those conducted by the Company shall be permitted on the said areas without the consent in writing of the Minister.

21. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

22. The Company shall be required during the currency of this Agreement to operate a sawmill or sawmills and manufacture yearly a minimum of 4,000,000 ft. B.M., mill scale.

23. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before establishment of such community deposit with the Crown in the Department of Lands and Forests \$5,000.00 in cash or a bond approved by the Minister in the said sum of \$5,000.00.

24. If, upon the termination of said period of ten (10) years, the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

25. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

26. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

27. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

28. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"EVA HARRISON"

"R. J. PELLAND"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

FIELD LUMBER COMPANY,  
LIMITED,

By: "J. A. LABERGE",  
PRESIDENT

AND: "A. QUENNEVILLE" (SEAL)

This is Schedule "A" referred to in the Agreement between His Majesty the King and Field Lumber Company, Limited, dated this 20th day of July, A.D. 1945.

ALL AND SINGULAR that certain territory situate in the District of Nipissing and partly in the Timagami Provincial Forest in the Province of Ontario, and being composed of the Township of Kenny and parts of the Townships of Clement, Vogt, Pardo, Hobbs, Sisk, Loughrin and Fell, containing a total area of 119 square miles, be the same more or less, and which may be more particularly described as follows:

PART OF THE TOWNSHIP OF CLEMENT containing 14 square miles, more or less, described as follows:

BEING COMPOSED of all that part of the said Township lying east of the southeastern limit of the watershed of Manitopipagi Lake (formerly known

as Devil's Lake) and south of a line drawn east and west astronomically from a point distant 3 miles measured south astronomically from the 3-mile post on the north boundary of the said Township of Clement.

PART OF THE TOWNSHIP OF VOGT containing 3 square miles, more or less, described as follows:

COMMENCING at the southwest corner of the Township of Vogt;

THENCE easterly along the south boundary thereof three-quarters of a mile, more or less, to the intersection with the western shore of the southwestern arm of Lake Timagami;

THENCE in a general northerly direction following the said western shore of the southwestern arm of Lake Timagami to the intersection with a line drawn east astronomically from a point distant 3 miles measured south astronomically from the 3-mile post on the north boundary of the Township of Clement;

THENCE west astronomically along the said line to the west boundary of the Township of Vogt;

THENCE south astronomically along the last-mentioned boundary 3 miles, more or less, to the point of commencement.

NORTH HALF, TOWNSHIP OF HOBBS, containing 18 square miles:

PART OF THE TOWNSHIP OF SISK, containing 1 square mile, more or less, described as follows:

COMMENCING at a point in the east boundary of the Township of Sisk distant 1 mile measured southerly thereon from the northeast corner of the said Township;

THENCE west astronomically 2 miles;

THENCE south astronomically to the intersection with the northern shore of Marian Lake;

THENCE in a general easterly direction following the said shore to the east boundary of the said Township Sisk;

THENCE northerly thereon to the point of commencement.

THE WHOLE OF THE TOWNSHIP OF KENNY, containing 36 square miles, more or less.

PART OF THE TOWNSHIP OF LOUGHREN, containing 21 square miles, more or less, described as follows:

BEING COMPOSED of Lots 1-14 inclusive in Concessions 4, 5 and 6.

PART OF THE TOWNSHIP OF PARDO, containing 17 square miles, more or less, described as follows:

BEING COMPOSED of Lots 4 and 5, Concession 2 and 3;

Lots 4-12 inclusive, Concessions 4 and 5;

Lots 1-12 inclusive, Concession 6.

PART OF THE TOWNSHIP OF FELL, containing 9 square miles, more or less, described as follows:

BEING COMPOSED of Lots 7-12 inclusive in Concessions 4, 5 and 6.

This is Schedule "B" referred to in the Agreement between His Majesty the King and Field Lumber Company, Limited, dated this 20th day of July, A.D. 1945.

ALL AND SINGULAR that certain territory situate in the Township of Hobbs in the District of Nipissing containing a total area of 18 square miles, more or less, and which may be more particularly described as follows:

BEING COMPOSED of the south half of the Township of Hobbs in the District of Nipissing, containing an area of 18 square miles more or less.

THIS AGREEMENT, made the 4th day of April, A.D. 1945.

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

GILLIES BROS. & CO. LTD., hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor in Council and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor in Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1945, the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" attached hereto.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

- |                             |                                   |
|-----------------------------|-----------------------------------|
| (a) White and Red Pine..... | \$9.50 per M. ft. B.M. Doyle rule |
| Spruce.....                 | 6.50 per M. ft. B.M. Doyle rule   |
| Jack Pine.....              | 6.00 per M. ft. B.M. Doyle rule   |
| Poplar.....                 | 4.50 per M. ft. B.M. Doyle rule   |
| Cedar.....                  | 4.50 per M. ft. B.M. Doyle rule   |

inclusive of Crown Dues and Forest Management charges. The above rates include as to red and white pine only, one dollar (\$1.00) per thousand for Forest Management, which if carried out by the Company pursuant to instructions of the Crown, will be credited to the Company's account for dues for the amount expended in Forest Management by the Company from year to year, but not to exceed in any one year an amount equal to one dollar (\$1.00) per thousand for red and white pine cut in such year.

- |                               |               |
|-------------------------------|---------------|
| (b) Spruce Pulpwood.....      | \$1.65 a cord |
| Balsam Pulpwood.....          | .70 a cord    |
| Cedar Poles—30' and less..... | .40 each      |
| 31' to 40 feet.....           | .75 each      |
| 41' to 50 feet.....           | 1.25 each     |
| 51' and over.....             | 1.75 each     |
| Fuelwood (soft).....          | .40 a cord    |
| Fuelwood (hard).....          | .65 a cord    |

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise One Hundred and Fifty (150) square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of Eleven Dollars



and Forty Cents (\$11.40) per square mile on an area of 150 square miles, commencing the First day of April 1945, A.D. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. On the termination of the cutting rights of the present Licensee on twelve-and one-half ( $12\frac{1}{2}$ ) square miles of the Township of Askin, the said  $12\frac{1}{2}$  square mile area shall be and become subject to all the terms hereof.

5. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

6. Wherever there is mixed with Pine on the areas operated by the Company timber which is, in the opinion of the Minister, suitable for pulpwood, the Company shall be required to cut such timber as the Minister shall direct, providing a market for such pulpwood exists.

7. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries, but in no case will authorization be given until after failure on the part of the Company to deal, and in no event shall the total quantity cut exceed in any one year seventy-five thousand feet (75,000 ft.) of timber, log scale, or its equivalent in other products.

8. The deposit of the Company in the amount of Sixty-five thousand dollars (\$65,000.00) for the due performance by the Company of its obligations under Agreements now in effect between the Crown and the Company on licensed areas in the Timagami Area and McLaren Township shall be considered a deposit by the Company herein, and shall be held by the Crown for the due performance of the Company of its obligations under this Agreement provided that after the mill referred to in Clause 25 has been constructed, twenty-five percent (25%) of the annual amount owing the Crown with respect to stumpage rates shall be deducted from the said deposit of Sixty-five Thousand Dollars (\$65,000.00).

9. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Braseside, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

10. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such right.

11. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing

and being thereon, for forest management and other purposes as the Minister may see fit.

12. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of the Provincial Forest Act.

13. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

14. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

15. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

16. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.

17. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter, 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

18. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

19. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder.

20. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

21. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

22. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

23. If, upon the termination of the said period of ten (10) years the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

24. For the purpose of forest management, watershed protection preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

25. To ensure greater permanency of the Company's mill located on Cassels Lake, the timber cut from the allocated area in any one year will be limited so that the production of the mill will not exceed Fifteen million feet (15,000,000 ft.), mill scale, annually during the currency of this Agreement.

26. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before establishment of such a community deposit with the Crown in the Department of Lands and Forests (\$5,000.00) Five Thousand Dollars in cash or a bond approved by the Minister in the said sum of Five Thousand Dollars (\$5,000.00).

27. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

28. All officers of the Crown, including scalers, scalers' assistants, and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

29. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

30. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

31. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

32. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED

in the presence of:

"F. A. MacDOUGALL"

"EVELYNE PARSONS"

"W. G. THOMPSON" (SEAL)

MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

GILLIES BROS. & CO. LTD.

By: "D. A. GILLIES" (SEAL)  
PRESIDENT.

AND: "F. H. BRONSKILL"  
SECRETARY.

#### SCHEDULE "A"

This is Schedule "A" to the Agreement between the Crown and Gillies Bros. & Co. Ltd., made the fourth day of April, A.D. 1945:

ALL AND SINGULAR that certain territory situate, lying and being in the District of Nipissing and partly within the Timagami Provincial Forest, containing a total area of 204½ square miles, be the same more or less, and which may be more particularly described as follows,

#### FIRSTLY:

The Township of McLaren in the District of Nipissing containing an area of 36 square miles, more or less.

#### SECONDLY:

The Townships of Askin and Riddell and parts of the Townships of Strathy, Cassels, South Lorrain, Eldridge, Hartle, Burnaby and Hebert, all in the Timagami Provincial forest, District of Nipissing, containing a total area of 168½ square miles, more or less, and which may be more particularly described as follows;

COMMENCING at the southwest corner of the Township of Askin;

THENCE northerly along the west limit of the Township of Askin and Riddell to the northwest corner of Riddell Township;

THENCE westerly along the south limit of the Township of Strathy to the east limit of the Timagami Townsite;

THENCE northeasterly, easterly, northerly, northwesterly and westerly following the boundaries of the said Townsite to the intersection with the eastern limit of the right-of-way of the Temiskaming and Northern Ontario Railway;

THENCE northeasterly following the said limit of the said right-of-way to the intersection with a line distant 1 mile north of the south limit of Strathy Township;



THENCE easterly along the said line, being a line surveyed by Ontario Land Surveyor Moore in 1928, to the intersection with the west limit of the Township of Cassels;

THENCE northerly along the last-mentioned limit to the intersection with the south shore of Net Lake;

THENCE in a general southeasterly direction following the south shore of Net Lake to the southeastern extremity thereof;

THENCE continuing in a southeasterly direction following the connecting stream between Net Lake and Cassels Lake to a point on the northwestern shore of Cassels Lake;

THENCE in a general northeasterly direction following the said shore of Cassels Lake to the northeastern extremity of the said lake;

THENCE continuing in a general northeasterly direction following the connecting stream into Cassels Lake to a point in the eastern boundary line of the Timagami Provincial Forest;

THENCE in a general southeasterly direction following the eastern boundary line of the Timagami Provincial Forest to its intersection with the south boundary of the Township of Hebert;

THENCE westerly along the last-mentioned boundary to the intersection with a timber line run by Ontario Land Surveyor Mooney in the year 1920 and of record in the Department of Lands and Forests, the said timber limit line being distant about 1 mile and 30 chains east of the northwest corner of the Township of Burnaby;

THENCE south astronomically along the said timber limit line as surveyed by Ontario Land Surveyor Mooney a distance of four miles;

THENCE west astronomically to a point in the east boundary of the Township of Askin;

THENCE southerly along the last-mentioned boundary to the southeast corner of the said Township of Askin;

THENCE westerly along the south boundary of the said Township of Askin a distance of 6 miles, more or less, to the point of commencement.

#### AREAS

Township of McLaren.....	36	square miles
Township of Askin.....	36	square miles
Township of Riddell.....	36	square miles
Township of Hartle.....	24	square miles
Township of Eldridge.....	34	square miles
Township of Hebert.....	5	square miles
Township of Burnaby.....	5 $\frac{1}{4}$	square miles
Township of Cassels.....	16	square miles
Township of South Lorrain.....	11 $\frac{1}{4}$	square miles
Township of Strathy.....	1	square mile

TOTAL AREA.....204 $\frac{1}{2}$  square miles

THIS AGREEMENT, made the 19th day of September, A.D. 1945.

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

GEO. GORDON & CO. LIMITED, hereinafter called the Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor in Council and subject to the granting of a yearly license pursuant to The Crown Timber Act Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor in Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1944 the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" attached hereto.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

Red and White Pine—\$8.75 per M. ft. B.M. Doyle rule inclusive of brush-burning charges and inclusive of Crown dues.

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise 200 square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of \$11.40 per square mile on an area of 200 square miles, commencing the First day of April, A.D. 1944. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

5. Wherever there is mixed with Pine on the areas operated by the Company timber which is, in the opinion of the Minister, suitable for pulpwood the Company shall be required to cut such timber as the Minister shall direct, providing a market for such pulpwood exists.

6. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries.

7. The deposit of the Company in the amount of Forty-thousand Dollars (\$40,000.00) for the due performance of the Company of its obligations under Agreements now in effect between the Crown and the Company on licensed areas in the Townships of Olive, Armagh, Sheppard, Clement and Scholes shall be considered a deposit by the Company herein, and, together with an additional Seven Thousand Dollars (\$7,000.00) to be deposited by the Company, shall be held by the Crown for the due performance by the Company of its obligations under this agreement.

8. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Cache Bay, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

9. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such right.

10. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

11. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of The Provincial Forest Act.

12. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

13. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

14. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

15. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.

16. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations

thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires preventions; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

17. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

18. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder.

19. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

20. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

21. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

22. If, upon the termination of said period of ten (10) years the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

23. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

24. To ensure greater permanency of the Company's mill located at Cache Bay, the Pine cut from the allocated area in any one year will be limited so that the production of the mill will not exceed Twenty million feet (20,000,000 ft.), mill scale, annually during the currency of this Agreement.

25. Should the Company establish any community for the purpose of utilizing timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company.



As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before establishment of such community deposit with the Crown in the Department of Lands and Forests \$5,000.00 in cash or a bond approved by the Minister in the said sum of \$5,000.00.

26. The Company shall not erect lumber camps on the area described in Schedule "A" hereto which are visible from the shores of Lake Obabika and Lake Wawiagama, and no warehouse or other buildings may be erected without the written approval of the Minister.

27. The Company shall not clear for skidways or rollways any land along the shores of Lake Obabika or Lake Wawiagama, nor shall booming or towing operations be carried on by the said Company on the said lakes during the months of July and August in each year of the currency of this Agreement.

28. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

29. All officers of the Crown, including scalers, scalers' assistants, and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

30. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

31. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

32. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

33. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. A. MACDOUGALL"  
19/9/45

"RUSSELL BAIN"

"K. MERRYFIELD"  
WITNESS TO SIGNATURE OF  
A. B. GORDON.

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

GEO. GORDON & CO. LIMITED

BY: "B. BAIN"  
PRESIDENT & GENERAL MANAGER.

AND: "A. B. GORDON"  
VICE-PRESIDENT.

This is Schedule "A" referred to in the Agreement between His Majesty the King and Geo. Gordon & Co. Limited, dated the 19th day of September, A.D. 1945.

ALL AND SINGULAR that certain territory situate in the Townships of Turner, Seagram, Delhi, DeMorest, Clary, Armagh, and Sheppard in the Timagami Provincial Forest in the District of Sudbury, and in the Townships

of Belfast and Scholes in the Timagami Provincial Forest in the District of Nipissing, containing a total area of 271 square miles, more or less, and which may be more particularly described as follows:

THE TOWNSHIPS OF TURNER, SEAGRAM, DELHI AND CLARY, containing an area of 154 square miles, more or less.

DEMOREST TOWNSHIP:

Commencing at a point in the north boundary of the said township distant 1 mile measured easterly thereon from the northwest angle thereof:

THENCE south astronomically 2 miles,

THENCE east astronomically 2 miles;

THENCE south astronomically 1 mile;

THENCE east astronomically 1 mile;

THENCE south astronomically 3 miles, more or less, to the south boundary of the said township;

THENCE easterly thereon 2 miles, more or less, to the southeast angle of the said township;

THENCE northerly along the east boundary thereof 6 miles, more or less, to the northeast angle of the Township of DeMorest;

THENCE westerly along the north boundary of the said township 5 miles, more or less, to the point of commencement and containing an area of 19 square miles, more or less. THE WHOLE OF THE TOWNSHIP OF ARMAGH, Save and Excepting therefrom the northwest quarter of the said township and containing an area of 27 square miles, more or less; THE WHOLE OF THE TOWNSHIP OF SHEPPARD, Save and Excepting therefrom that portion of the southeast quarter of the said township lying to the east of the Sturgeon River and containing an area of 39 square miles, more or less.

BELFAST TOWNSHIP:

All that part of the said township lying west of a line drawn north astronomically from the 3-mile post on the south boundary thereof and containing an area of 18 square miles, more or less.

SCHOLES TOWNSHIP:

All that part of the said township lying west of a line drawn north astronomically from the 3-mile post on the south boundary thereof, Save and Excepting therefrom that portion contained in the Manitou Lake watershed and containing an area of 14 square miles, more or less.

AGREEMENT made the 16th day of August, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

MOUNTJOY TIMBER COMPANY, LIMITED, hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor-in-Council, and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor-in-Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1945, the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" hereto, and being part of the Timagami Provincial Forest.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

(a) Red and White Pine.....	\$8.50	per	M. ft.	B.M.,	Doyle	Rule,
Spruce.....	7.50	"	"	"	"	"
Jackpine.....	7.00	"	"	"	"	"

inclusive of Crown dues and Forest Management charges.

(b) Spruce and Balsam Pulpwood—at rates to be set by the Minister.

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise One hundred and twenty-five (125) square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of Eleven Dollars and Forty Cents (\$11.40) per square mile on an area of 125 square miles, commencing the First day of April, A.D. 1945. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. On the termination of the cutting rights of the present Licensees in the Townships of Hassard, Gouin, and Doyle, the said Townships shall be and become subject to all the terms hereof.

5. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

6. The Company shall operate so that there shall be an orderly utilization of all timber, including pulpwood, consistent with market requirements, and on or before the Thirtieth (30th) day of June in each operating season the Company will estimate the approximate production of Spruce and Balsam pulpwood for the operating season next following, and the Abitibi Power & Paper Company, Limited shall have the first opportunity to purchase the said pulpwood which the Company will produce from year to year.

7. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for re-forestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries, but in no case will authorization be given until after failure on the part of the Company to deal, and in no event shall the total quantity cut exceed in any one year seventy-five thousand feet (75,000 ft.) of timber, log scale, or its equivalent in other products.

8. The deposit of the Company in the amount of Fifteen Thousand Dollars (\$15,000.00), for the due performance by the Company of its obligations under agreements now in effect between the Crown and the Company on licensed areas in the Townships of Thornelow, Reynolds and McKeown, shall be considered a deposit by the Company herein, and shall be held by the Crown for the due performance by the Company of its obligations under this Agreement, provided that twenty-five percent (25%) of the annual amount owing the

Crown with respect to stumpage rates shall be deducted from the said deposit of Fifteen Thousand Dollars (\$15,000.00) until the deposit shall have been reduced to the amount of Ten Thousand Dollars (\$10,000.00).

9. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Timmins, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

10. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such right.

11. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

12. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of pertinent legislation.

13. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

14. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

15. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

16. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.



17. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

18. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

19. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within Schedule "A" hereto.

20. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

21. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

22. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

23. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

24. The timber cut from the area in Schedule "A" hereto in any one year will be limited so that the production of the Company's mill presently established will not exceed 40,000 feet, mill scale, per diem during the currency of this Agreement.

25. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before the establishment of such a community deposit with the Crown in the Department of Lands and Forests Five Thousand

Dollars (\$5,000.00) in cash or a bond approved by the Minister in the said sum of Five Thousand Dollars (\$5,000.00).

26. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

28. All officers of the Crown, including supervisors, scalers, scalers' assistants, and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

29. If, upon the termination of the said period of ten (10) years, the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

30. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

31. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

32. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

33. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the Rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.  
MOUNTJOY TIMBER COMPANY,  
LIMITED.

BY: "J. R. TIMMINS"  
PRESIDENT

AND: "P. C. FINLAY" (SEAL)  
SECRETARY

#### SCHEDULE "A"

This is Schedule "A" referred to in the Agreement between His Majesty the King and the Mountjoy Timber Company, Limited, dated the 16th day of August, A.D. 1945.

The Townships of Thorneloe, McKeown, Reynolds, Hillary, and Hazen.

Also the Townships of Hassard and Gouin, upon completion of the operations thereon by the Feldman Timber Company, Limited.

And the Township of Doyle, upon completion of the operations thereon by John W. Fogg, Limited.

AGREEMENT made the 16th day of August, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

RUDOLPH-McCHESNEY LUMBER COMPANY, LIMITED, hereinafter called the "Company",

OF THE SECOND PART;

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor-in-Council, and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor-in-Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1945, the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" hereto, and being part of the Timagami Provincial Forest.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

(a) Red and White Pine.....	\$8.50	per	M.	ft.	B.M., Doyle Rule.
Spruce.....	7.50	"	"	"	"
Jackpine.....	7.00	"	"	"	"

inclusive of Crown dues and Forest Management charges.

(b) Spruce and Balsam Pulpwood—at rates to be set by the Minister.

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise One Hundred and Twenty-five square miles (125), and the Company shall pay annually in advance ground rent and fire protection charges at the rate of Eleven Dollars and Forty Cents (\$11.40) per square mile on an area of 125 square miles, commencing the First day of April, A.D. 1945. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

5. The Company shall operate so that there shall be an orderly utilization of all timber, including pulpwood, consistent with market requirements, and on or before the Thirtieth (30th) day of June in each operating season the Company will estimate the approximate production of Spruce and Balsam pulpwood for the operating season next following, and the Abitibi Power & Paper Company, Limited shall have the first opportunity to purchase the said pulpwood which the Company will produce from year to year.

6. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries, but in no case will authorization be given until after failure on the part of the Company to deal, and in no event shall the total quantity cut exceed in any one year seventy-five thousand feet (75,000 ft.) of timber, log scale, or its equivalent in other products.

7. As security for the due performance by the Company of its obligations hereunder, the Company shall deposit with the Crown the sum of Ten Thousand Dollars (\$10,000.00). The deposit of the Company in the amount of Five Hundred Dollars (\$500.00) in Dominion of Canada bonds with respect to the Agreement between the Crown and the Company for the licensed area in the Township of Emerald shall form and be part of the said deposit of Ten Thousand Dollars (\$10,000.00).

8. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty days' notice in writing to the Company at its Head Office at Timmins, Ontario declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

9. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if in the opinion of the Minister the cause of such default justifies the waiving of such right.

10. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

11. Within three years (3) from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of pertinent legislation.

12. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

13. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

14. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which



should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

15. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.

16. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

17. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

18. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within Schedule "A" hereto.

19. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

20. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

21. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

22. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

23. The timber cut from the area in Schedule "A" hereto in any one year will be limited so that the production of the Company's mill presently established will not exceed 40,000 feet, mill scale, per diem during the currency of this Agreement.

24. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before the establishment of such a community deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000.00) in cash or a bond approved by the Minister in the said sum of Five Thousand Dollars (\$5,000.00).

25. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

26. All officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

27. If, upon the termination of the said period of ten (10) years, the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

28. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

29. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

30. In this Agreement, "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

31. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:  
"F. J. SULLIVAN"

"H. D. FUKÉ"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.  
RUDOLPH-McCHESNEY LUMBER  
COMPANY, LIMITED.

By: "MAITLAND McCHESNEY"  
(SEAL)  
AND: "A. BRODEUR"

## SCHEDULE "A"

This is Schedule "A" referred to in the Agreement between His Majesty the King and the Rudolph-McChesney Lumber Company, Limited, dated the 16th day of August, A.D. 1945.

The Townships of Keefer, Pharand, Childerhose, Crothers, McBride, Roblin and the Crown area in Emerald Township.

AGREEMENT made the 29th day of March, 1946:

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, herein referred to as the "Crown",

OF THE FIRST PART,

—and—

THUNDER BAY PAPER CO., LIMITED, a company incorporated under the laws of the Province of Ontario, herein referred to as the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH that in consideration of the covenants and agreements on the part of the Company herein contained:

1. The Crown with the consent and approval of the Lieutenant-Governor-in-Council

(a) doth grant to the Company for a period of twenty-one years commencing on the 1st day of April, 1946, the right to cut and remove all spruce, balsam and other pulpwood on and from the lands described in Schedule "A" hereto;

(b) doth grant to the Company for a like period of twenty-one years commencing on the 1st day of April, 1946 (subject to the granting or renewal of a yearly license if and so long as such be required by The Crown Timber Act, R.S.O. 1937, Chapter 36 and amendments thereto) the right to cut and remove all other kinds and classes of timber on and from the said lands described in Schedule "A" hereto.

2. The lands described in Schedule "A" hereto are hereinafter referred to as "the Concession Area".

3. In addition, the Company shall have the right for a period of one year from the date hereof or for such further period as the Minister may determine to examine the lands described in Schedule "B" hereto and to select the whole or any part or parts thereof and thereupon the lands so selected shall be added to and form part of the Concession Area, and all the terms and conditions hereof shall apply to such additional lands.

4. If, during the term of this Agreement or any renewal thereof, the Company shall establish to the satisfaction of the Minister that the pulpwood on the Concession Area is insufficient for the future operation of the Company's mill at Port Arthur at present capacity, the Crown agrees, to the extent that it may have the same available, to provide additional areas in support of such mill on like terms and conditions as herein set forth.

5. The Crown does not guarantee any quantity of timber on the Concession Area.

6. The Company shall pay to the Treasurer of the Province of Ontario the following prices:

(a) For pulpwood cut on the Concession Area the following:

Spruce.....	\$1.65 per cord	} Inclusive of Crown Dues.
Balsam.....	\$ .75 " "	
Jackpine.....	\$ .50 " "	
Other pulpwood—Crown dues.		

(b) For timber cut on the Concession Area for use for purposes other than as pulpwood:

Such prices as the Minister may from time to time determine, to be consistent with prices on adjacent or similarly situated concession areas.

7. The above prices shall be subject only to such variation in Crown dues that may hereafter be generally effected by regulation for timber cut for domestic manufacture and applicable throughout the Province of Ontario.

8. At the written direction of the Minister the Company shall cut and remove merchantable damaged timber on the Concession Area at such lesser rates, based on the value in the damaged timber, as the Minister may determine; but the Company shall not be required or be obligated to cut and remove more of such damaged timber in any year than it can reasonably produce and use in its operations.

9. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the regulations under The Crown Timber Act and accounts shall be due and payable on the 1st day of October for the preceding season and on all accounts which remain unpaid after the 31st day of October in the same year, interest shall be charged at the rate of Six per centum (6%) per annum calculated from the 1st day of October in the same year.

10. Pulpwood taken out in four or eight foot lengths shall be measured, returned and paid for on the basis of one hundred and twenty-eight cubic feet in each stacked cord. Pulpwood taken out in lengths in excess of eight feet shall be measured in the log on the cubic basis and each 100 cubic feet shall constitute a cord. Timber other than pulpwood shall be measured in accordance with the provisions of the Manual of Scaling Instructions now or hereafter approved by the Crown.

11. For the purpose of calculating ground rent and fire protection charges, the Concession Area shall be deemed to comprise 1,354 square miles and the Company shall pay annually in advance, commencing with the First day of April, 1946, fire protection charges at the rate of \$6.40 per square mile on the said area of 1,354 square miles and ground rent at the rate of \$5.00 per square mile on one-tenth (1/10th) of the said area of 1,354 square miles. Interest at the rate of Six per centum (6%) per annum shall be charged on accounts which remain unpaid after 30 days from the due date.

If, pursuant to the foregoing provisions of Clause 3 hereof, the whole or any portion of the lands described in Schedule "B" are added to the Concession Area, then the aforesaid area of 1,354 square miles shall be increased by such number of square miles in the lands so added as shall be determined by the Minister.

If and whenever it is ascertained that any part or parts of the Concession Area are non-productive of merchantable timber, the aforesaid area may be reduced to such extent as the Minister may determine.



12. If and whenever, otherwise than by reason of default on the part of the Company, there shall be removed from the Concession Area any part thereof which the Company desires to retain, then the amounts thereafter payable by the Company to the Crown under the provisions of this Agreement shall be abated and be reduced by the amount of the fire protection charges and ground rent theretofore paid by the Company to the Crown in respect of the area of such part or by such proportion of such charges and rent as the Minister shall determine to be fair and reasonable and the Company shall be relieved thereafter from payment of fire protection charges and ground rent in respect of the area of such part.

13. The deposit of the Company in the aggregate amount of \$173,725 for the due performance by the Company of its obligations under agreements or licenses now in force between the Crown and the Company shall be considered as a deposit by the Company hereunder and be held by the Crown for the due performance by the Company of its obligations under this Agreement and all other agreements entered into between the Crown and the Company of even date; provided that the surplus beyond One hundred thousand Dollars (\$100,000) may be used by the Company for the payment of dues and charges including fire protection charges and ground rent which accrue hereunder (or under other agreements between the Crown and the Company of even date) in respect of the Company's operations during the first three years of the term of this agreement but in no event shall more than one-third of the said surplus be so applied in any one year.

Provided that the Company, at its option, shall be entitled at any time to substitute for the said cash deposit bonds of the Dominion of Canada or Province of Ontario of a par value of \$100,000 as security for the due performance of its obligations under this Agreement and other agreements of even date, whereupon the said cash deposit shall be applied as the Company requires in satisfaction of dues and charges, including fire protection charges and ground rent, which become payable by the Company to the Crown under this or any other agreement.

For the purposes of this Clause 13 only, the word Company shall include both Abitibi Power & Paper Company, Limited and Thunder Bay Paper Co., Limited.

14. The Company hereby agrees that within five years from the date of this agreement

- (a) It will provide the Minister with an estimated inventory or inventories of the timber on the Concession Area by species and size classes and information with respect to the forest types and general age classes of such timber;
- (b) It will deliver to the Minister for his information a map dividing the Concession Area into such operational units as the Company shall deem to be appropriate having regard to the locations thereof, the types and characteristics of the timber thereon and the estimated future requirements of the Company, which map shall be subject to modification by the Company from time to time;

provided that in respect of the lands described in Schedule "B" hereto or the part or parts thereof selected by the Company, the period of five years shall run only from the date upon which the Company shall make its selection under Clause 3 hereof.

For the foregoing purposes the Company will proceed forthwith with a forest survey of the Concession Area and all other areas, whether Crown or

private lands, upon which it holds cutting rights, in such order as the Minister may direct so long as the same does not unreasonably interfere with the Company's plans relative thereto. In each year the Company will survey as large an area as it can reasonably do in that year. It shall report the results to the Minister as the work progresses, and not less frequently than annually.

On the basis of the above surveys and inventories, the Company shall from time to time submit plans for utilizing the timber on the Concession Area in keeping with the requirements of the Company for pulpwood, the classes and sizes of timber found thereon and the market demands for timber for use other than as pulpwood, the first of such plans to be submitted as soon as practicable after the completion of the survey of the Concession Area, and in any event within the said five year period. Each plan shall become operative only after being approved by the Minister.

Sixty days before commencing operation in any season the Company shall give such particulars as the Minister may require as to the proposed operation and shall obtain the consent in writing of the Minister to proceed with such operation (which consent shall not be unreasonably withheld or delayed) and within four months after the completion of the authorized operation shall file with the Minister a map indicating the cut-over areas and the kinds and quantities of each class of timber taken therefrom.

Except as may be herein otherwise provided, the Company shall cut and remove from the area actually cut over in each season all the merchantable timber thereon, save that the Company shall not be required to cut any timber not provided to be cut in the particulars of the proposed operations for such season to which the Minister has consented as aforesaid. In addition, the Minister may at any time and from time to time excuse the Company from cutting any one or more species of timber or any quantity or quantities thereof, notwithstanding that the same may have been included in the particulars of the proposed operations to which he has given his consent.

The pulpwood from the Concession Area shall be utilized in the Company's mill at Port Arthur save that the Minister from time to time may permit the Company to use or dispose of the said pulpwood in such other manner as he may determine; provided that the Fort William mill of the Company's parent company, Abitibi Power & Paper Company, Limited, shall be considered as part of the said mill of the Company so long as the mills are owned by a parent and a subsidiary or both by one company.

15. The Minister or any officer or officers of the Department of Lands and Forests shall have the right to inspect the timber operations on the Concession Area at any time. If such inspection shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed under the provisions of this Agreement is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement. The Company may thereafter remove any such timber without further charge. The cutting and removing of the timber on and from the Concession Area shall not be deemed to have been completed until the Concession Area has been examined by an officer of the Crown (which examination shall not be unreasonably delayed) and the operation has been declared satisfactory by the Minister.

16. The Company shall be entitled to carry out all or any of its operations either by its own employees or by contractors or jobbers. The Company shall not grant to any other person the right to cut on the Concession Area without the consent in writing of the Minister.

17. The Company will not place or deposit in any river, stream or other waters any refuse, sawdust, chemicals or matter of any other kind which shall be or may be injurious to game or fish life.

18. The Company will exercise reasonable diligence in ascertaining whether or not the timber on the Concession Area is being infected by insects of disease, and shall furnish the Minister with such information as it is able to obtain in respect thereof, as often as the Minister may so require.

19. The Company will co-operate in the purchase of pulpwood produced by bona fide settlers and pulpwood produced by and available from the operations of adjacent licensees.

20. The Company at its expense will provide suitable accommodation and board for all officers of the Crown, including supervisors, scalers, scalers' assistants and check-scalers, who are designated to work on the operations of the Company.

21. Should the Company establish in connection with its operations on the Concession Area any community not intended to be of a permanent character, the Company if and when requested by the Minister in writing and at its expense will remove all dwellings and other buildings erected in connection therewith at the conclusion of the particular operation in respect of which such community was established. As a guarantee that such removal will be completed to the satisfaction of the Minister, the Company, before the establishment of such community, shall deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000) in cash or bonds of the Dominion of Canada or Province of Ontario of a principal amount of Five Thousand Dollars (\$5,000).

22. The Crown grants the Company the right to use the waters of all rivers, lakes and streams within the Concession Area for the term of this Agreement for the driving of timber and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the Concession Area and the driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and regulations made thereunder and in common with any rights for the use of the said waters heretofore granted by the Crown.

23. Without prejudice to the existing water power leases and water storage rights and privileges of the Company, all water powers and privileges within the Concession Area are reserved to the Crown.

24. The Company is granted under this Agreement no right to the soil or freehold of the Concession Area, or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto. The Crown, however agrees from time to time to grant to the Company for terms co-terminous with the term of this Agreement, including its right of renewal, leases of such Crown lands in the Concession Area as the Company may require for saw-mills and other facilities and to issue such licenses and permits as may be required for the operation thereof.

25. The Crown reserves and excepts from the Concession Area all lands held under License-of-Occupation, leased, located or applied for, in respect of which such proceedings have been taken or shall hereafter be taken as in the opinion of the Minister entitles the applicants to a lease or patent of such lands; and the Crown further reserves the right to sell, lease, locate or otherwise dispose of, subject to the rights of the Company hereunder, any lands within the Con-



cession Area allocated for settlement, mining or summer resort purposes on such terms and conditions as may be deemed advisable.

26. In case of disagreement as to the true intent and meaning of this Agreement the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

27. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

28. In this Agreement "Minister" shall mean the Minister of Lands and Forests for the time being of the Province of Ontario, and "season" or "operating season" shall be as defined by the Regulations under The Crown Timber Act.

29. This Agreement shall be binding upon and enure to the benefit of the Company, its successors and assigns, but shall not be assigned without the consent of the Minister.

30. If upon the termination of the said period of twenty-one years the Company shall have fully performed the obligations imposed upon it as herein set forth, it shall be entitled at its option to an extension of its rights under this Agreement for a further period of twenty-one years at such prices and upon such terms and conditions as may then be fixed by the Minister.

31. In the event of the Company failing at any time to perform any of its obligations hereunder, the Minister may give written notice to the Company which shall be sent to it by registered mail addressed to it at 408 University Avenue, Toronto 2, Ontario, stating in detail the default complained of and requiring the Company to make good such default and at the expiration of twelve months from the giving of such notice the Minister may, if authorized so to do by the Lieutenant-Governor-in-Council and if the default complained of has not been made good by the Company, declare forfeited all the rights of the Company under this Agreement.

The right of forfeiture by this clause provided shall be additional to and without limitation of every other right or remedy of the Crown arising by reason of the default, and the giving of or failure to give any such notice by the Minister shall not preclude the exercise by the Crown of any other such right or remedy.

32. Any default or delay on the part of the Company in the performance or observance of any of the terms and provisions of this Agreement occasioned in whole or in part through shortage of labour or materials, extended interruption to power supply, strikes, fire, tempest, war, action by princes or sovereign states, act of God or other cause beyond the control of the Company shall not be or be deemed to be a default on the part of the Company under this Agreement.

33. The Minister shall be entitled to waive all rights of forfeiture arising under this Agreement by reason of any default if in the opinion of the Minister the cause of such default justifies the waiving of such right and, in such event, the Company's rights hereunder shall continue as though no such default had occurred.

34. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general application to the cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall be binding upon and enure unto the Company and shall apply to its operations under this Agreement as fully and effectually as if they had been set forth herein.



IN WITNESS WHEREOF the parties hereto have executed these presents.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"F. J. SULLIVAN"

AS TO THE SIGNATURES OF

"L. R. WILSON AND  
T. BROADHURST"

"HOWARD YOUNG"

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

THUNDER BAY PAPER CO.,  
LIMITED

By: "L. R. WILSON" (SEAL)  
PRESIDENT.  
AND: "T. BROADHURST"  
SECRETARY.

#### SCHEDULE "A"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King in right of the Province of Ontario, of the First Part, and Thunder Bay Paper Co., Limited, of the Second Part.

#### THUNDER BAY CONCESSION

ALL AND SINGULAR that certain territory situate lying and being in the Districts of Thunder Bay and Kenora in the Province of Ontario, containing a total area of 1,354 square miles, be the same more or less, more particularly described as follows:—

##### FIRSTLY:

ALL that territory lying within the Onamoon River and the Ombabika River watersheds, including the intervening heights of land and particularly the intervening lands on the shore of Lake Nipigon and South Peninsula, containing 1,123 square miles more or less, and being the territory shown coloured yellow and marked "A1" on the map hereto annexed.

##### SECONDLY:

COMMENCING at the intersection of the east boundary of the Township of Drayton and the northeastern limit of the right of way of the Canadian National Railways (Superior Junction to Port Arthur Branch); thence south-easterly along the last mentioned limit to the west boundary of G.T.P. Block No. 9; thence north astronomically to the north west corner of G.T.P. Block No. 9; thence east astronomically to the northeast corner thereof; thence south astronomically along the east boundary of G.T.P. Block No. 9 a distance of 7 miles; thence east astronomically to the west boundary of G.T.P. Block No. 8; thence north astronomically to the northwest corner of said G.T.P. Block No. 8; thence east astronomically to the northeast corner thereof; thence north astronomically to the northerly bank of the Sturgeon River; thence easterly following the said river bank 1 mile; thence north astronomically to the southern limit of the right of way of the National Transcontinental Railway; thence in a westerly direction following the last mentioned limit to the east boundary of G.T.P. Block No. 10; thence south astronomically along the said east boundary of G.T.P. Block No. 10 and the east boundary of the Township of Drayton to the northeast limit of the Canadian National Railways right of way and being the point of commencement;

SAVING AND EXCEPTING the rights of the Licensee under the herein-after mentioned Crown Timber License:

License Number:	137 of 1941-42.
Licensee:	Patricia Lumber Company.
Area:	13 square miles near Clamshell Lake.
Species:	Jackpine tie timber.

The portion described as secondly herein contains 197 square miles more or less and is shown coloured yellow and marked "A-2" on the map hereto annexed.

#### THIRDLY:

COMMENCING at the northwest corner of the Township of Langworthy; thence south astronomically to the north limit of the 3rd concession of the said Township of Langworthy; thence east astronomically along the said north limit of the 3rd concession to the east boundary of the Township of Langworthy; thence north astronomically to the southwestern limit of the Canadian National Railways right-of-way; thence northwesterly along the last mentioned limit to the southeastern boundary of the Township of Hogarth; thence southwesterly to the most southerly corner of the Township of Hogarth; thence southwesterly in a straight line to the northwest corner of the Township of Langworthy and being the point of commencement, containing 21 square miles more or less and being shown coloured yellow and marked "A-3" on the map hereto annexed.

#### FOURTHLY:

ALL that portion of the Township of Joynt lying south of the right-of-way of the Canadian Pacific Railway and west of the west limits of Lots 9, Concessions I to VI inclusive, containing 9 square miles more or less and being shown coloured yellow and marked "A-4" on the map hereto annexed.

#### FIFTHLY:

THAT part of the Township of Inwood lying in the southeast quarter bounded as follows: Commencing at the southeast corner of the Township of Inwood; thence westerly along the southern boundary of the said Township for a distance of 2 miles; thence north astronomically a distance of 2 miles; thence east astronomically a distance of 2 miles more or less to the east boundary of the Township of Inwood; thence southerly along the east boundary of the said Township 2 miles more or less to the point of commencement, containing 4 square miles more or less and being shown coloured yellow and marked "A-5" on the map hereto annexed.

It is understood that wherever it appears from the attached map that the boundary of the territory above described is the established boundary of a township or district, such township or district boundary shall constitute the boundary of the Concession Area notwithstanding that it does not follow precisely the astronomical course set forth in the above description.

#### SCHEDULE "B"

referred to in the annexed Agreement made the 29th day of March, 1946, between His Majesty the King, in right of the Province of Ontario, of the First Part, and Thunder Bay Paper Co., Limited, of the Second Part.

#### THUNDER BAY RESERVE:

ALL AND SINGULAR that certain territory situate lying and being in the District of Thunder Bay in the Province of Ontario, containing 756 square miles, be the same more or less and more particularly described as follows:—

COMMENCING at the northwest corner of the Township of Paska; thence southerly 6 miles more or less along the westerly boundary of the said Township to its intersection with the northeastern limit of Onaman River watershed; thence in a general westerly and northerly direction following the Onaman River watershed to its intersection with the limit of the Ombabika River watershed; thence continuing in a general northerly, westerly and southerly direction along the eastern, northern and western boundaries of the Ombabika River watershed to the intersection with the northern limit of the right of way of the Canadian National Railways; thence in a general westerly direction following the northern limit of the said right of way to where it is intersected by the eastern limit of the Pikitigushi River watershed and which point of intersection is 3 miles more or less west of Ferland Station; thence in a general northerly direction following the eastern limit of the Pikitigushi River watershed to a point where it is intersected by the north limit of the Nipigon Provincial Forest; thence easterly 48 miles more or less along the last mentioned limit and its production easterly to its intersection with a line drawn north astronomically from the northwest corner of the Township of Paska; thence south astronomically 23 miles more or less to the northwest corner of the Township of Paska, and being the point of commencement.

The territory described herein is shown outlined in red on the map hereto annexed.

AGREEMENT made the 16th day of August, A.D. 1945,

BETWEEN:

HIS MAJESTY THE KING, in right of the Province of Ontario as represented by the Minister of Lands and Forests, hereinafter referred to as the "Crown",

OF THE FIRST PART,

—and—

A. E. WICKS, LIMITED, hereinafter called the "Company",

OF THE SECOND PART:

THIS AGREEMENT WITNESSETH THAT:

1. Subject to the approval of the Lieutenant-Governor-in-Council, and subject to the granting of a yearly license pursuant to The Crown Timber Act, Chapter 36, R.S.O. 1937, and to the terms and conditions hereof, the Crown, with the consent of the Lieutenant-Governor-in-Council, doth grant to the Company for a period of ten (10) years from the First day of April, A.D. 1945, the right to cut and remove the timber specified in Clause 2 of this Agreement on the lands described in Schedule "A" hereto, and being part of the Timagami Provincial Forest.

2. The Company shall pay to the Treasurer of the Province of Ontario on behalf of the Crown the following rates for timber cut:

(a) Red and White Pine.....	\$8.50	per	M. ft.	B.M., Doyle Rule,
Spruce.....	7.50	"	"	"
Jackpine.....	7.00	"	"	"

inclusive of Crown dues and Forest Management charges.

(b) Spruce and Balsam Pulpwood—at rates to be set by the Minister.

3. For the purpose of calculating ground rent and fire protection charges, the area described in Schedule "A" hereto shall be deemed to comprise One

hundred and twenty-five (125) square miles, and the Company shall pay annually in advance ground rent and fire protection charges at the rate of Eleven Dollars and Forty cents (\$11.40) per square mile on an area of 125 square miles, commencing the First day of April, A.D. 1945. Interest at the rate of six percent (6%) per annum shall be charged on amounts which remain unpaid after thirty (30) days from the due date.

4. At the direction of the Minister, the Company shall cut merchantable damaged timber at rates to be determined by the Minister.

5. The Company shall operate so that there shall be an orderly utilization of all timber, including pulpwood, consistent with market requirements, and on or before the Thirtieth (30th) day of June in each operating season the Company will estimate the approximate production of Spruce and Balsam pulpwood for the operating season next following, and the Abitibi Power & Paper Company, Limited shall have the first opportunity to purchase the said pulpwood which the Company will produce from year to year.

6. The right is reserved by the Crown to deal with the lands covered by this Agreement, and the timber standing, growing and being thereon, for reforestation or such other purposes which, in the opinion of the Minister, may be necessary for the development and maintenance of any industry or industries other than timber and kindred industries, but in no case will authorization be given until after failure on the part of the Company to deal, and in no event shall the total quantity cut exceed in any one year seventy-five thousand feet (75,000 ft.) of timber, log scale, or its equivalent in other products.

7. The deposit of the Company in the amount of Fourteen Thousand Dollars (\$14,000.00) for the due performance by the Company of its obligations under agreements now in effect between the Crown and the Company on licensed areas in the Township of English and Nursey shall be considered a deposit by the Company herein, and shall be held by the Crown for the due performance by the Company of its obligations under this Agreement, provided that twenty-five percent (25%) of the annual amount owing the Crown with respect to stumpage rates shall be deducted from the said deposit of Fourteen Thousand Dollars (\$14,000.00) until the deposit shall have been reduced to the amount of Ten Thousand Dollars (\$10,000.00).

8. In the event of the Company making default in the performance of its obligations under the terms of this Agreement, the Minister may upon sixty (60) days' notice in writing to the Company at its Head Office at Cochrane, Ontario, declare the rights of the Company hereunder forfeited and declare the cash deposits and other collateral securities herein deposited forfeited to the Crown. Provided, however, that any default on the part of the Company in the performance or observance of any of the provisions of this Agreement, occasioned in whole or in part through strikes, fire, tempest, war, sabotage, action by Princes or Sovereign States, acts of God, or other causes beyond the control of the Company, shall not be deemed to be a default on the part of the Company.

9. The Minister shall have the right to waive all rights of forfeiture arising under this Agreement by reason of any default, if, in the opinion of the Minister, the cause of such default justifies the waiving of such right.

10. The Company is granted under this Agreement no right to the soil or freehold of the said area or to the use thereof, except as may be necessary for cutting and removing the said timber as aforesaid, and operations incidental thereto, and it is distinctly understood that the right is hereby reserved to the



Crown to deal with the lands above-described, and the timber standing, growing and being thereon, for forest management and other purposes as the Minister may see fit.

11. Within three (3) years from the date of this Agreement the Company shall file with the Department a plan which shall be satisfactory to the Minister for the operation and management of the area granted, to the end that the area will be kept productive and in accordance with the provisions of The Provincial Forests Act.

12. Proper sworn returns of the quantity of timber cut in each season shall be made to the Crown in conformity with the Crown Timber Regulations, and accounts shall be due and payable on the First day of October, and on all accounts which remain unpaid after the Thirty-first day of October in the same year interest shall be charged at the rate of Six percent (6%) per annum, calculated from the First day of October in the same year.

13. The Crown does not guarantee any quantity of timber on the area hereby granted to the Company.

14. The Minister, or any officer or officers of the Department of Lands and Forests, shall have the right to inspect the timber operations on the allotted territory at any time. If such inspections shall show that the timber operations are carried on in such a way that any merchantable or valuable timber which should be removed is being left or destroyed, the Minister shall have the right to have the said timber estimated and charge the same to the Company at the same rate as if it had been actually removed pursuant to the terms of this Agreement, together with such penalty or penalties as the Minister may fix. The cutting and removing of the timber on and from the territory, or any part thereof, shall not be deemed to have been completed until it has been examined by an officer of the Crown, and the operation has been declared satisfactory by the Minister.

15. No refuse, sawdust, chemicals or matter of any other kind shall be placed in or deposited in any river, stream or other waters which shall be or may be injurious to game and fish life.

16. This Agreement shall be subject to The Forest Fires Prevention Act, R.S.O. 1937, Chapter 325, and Amendments thereto, and to all Regulations thereunder, and to Orders made thereunder by the Minister, and to all other Statutes and Amendments thereto and all Regulations and Orders made thereunder concerning forest fires prevention; and the foregoing shall govern the operations of the Company under this Agreement as fully as if they had been set forth herein.

17. This Agreement shall be subject to all Acts of the Legislature of the Province of Ontario which are now or which may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general applications to the protection, cutting, measuring, removing and driving of timber on and from Crown lands throughout the Province, and the same shall apply to the operations of the Company under this Agreement as fully and effectually as if they had been set forth herein.

18. The Crown agrees to permit the Company to use the waters of all rivers, lakes and streams within the cutting areas during the term of this Agreement for the driving of timber, and also the right to make, construct, operate and maintain improvements therein and thereto for the purpose of facilitating the floating of timber. The construction, operation and maintenance of any improvements made upon any waters within the said cutting areas and the

driving of timber shall be carried out subject to and in pursuance of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, and Regulations made thereunder, and subject to any rights previously authorized by the Crown to use the waters within Schedule "A" hereto.

19. The Company covenants and agrees to employ Canadian labour and to co-operate with the Crown in maintaining standard rates of wages and otherwise meeting all the requirements as may be provided by The Industrial Standards Act or such other Statutory enactments in that behalf as are now or may hereafter be in force.

20. The Company covenants and agrees that it will manufacture in the Province of Ontario all log timber cut on the area above-described into lumber, ties, or other manufactured products, to the satisfaction of the Minister.

21. It is understood and agreed that no operations other than those conducted by and for the Company shall be permitted on the said area without the consent in writing of the Minister.

22. For the purpose of forest management, watershed protection, preservation of beauty of landscape, fire protection, game preserves or game shelters, or for any other purpose which from time to time the Minister may deem advisable, the Minister may direct operations on a selective system of cutting by the marking of certain trees to be left standing or to be cut, and the cost of such marking shall be borne by the Company.

23. The timber cut from the area in Schedule "A" hereto in any one year will be limited so that the production of the Company's mill presently established will not exceed 50,000 feet, mill scale, per diem during the currency of this Agreement.

24. Should the Company establish any community for the purpose of utilizing the timber on the area set out in this Agreement, such community shall be removed at the conclusion of the operation, at the expense of the Company. As a guarantee that such removal shall be completed to the satisfaction of the Minister, the Company shall before the establishment of such a community deposit with the Crown in the Department of Lands and Forests Five Thousand Dollars (\$5,000.00) in cash or a bond approved by the Minister in the said sum of Five Thousand Dollars (\$5,000.00).

25. Before commencing operations in each year during the currency of this Agreement, the Company shall, on or before the First day of August in each year, submit to the Department a map showing the location of the operation proposed for the next following operating season.

26. All officers of the Crown, including supervisors, scalers, scalers' assistants, and check-scalers, who are designated to work on the operation of the Company shall be provided with accommodation and board to the satisfaction of the Minister and at the expense of the Company.

27. If, upon the termination of the said period of ten (10) years, the Company shall have fully performed the obligations imposed upon it, as set forth, to the satisfaction of the Minister, it shall be entitled to an extension of its rights under this Agreement for a further period of ten (10) years, or such period as the Minister may approve, at such prices and upon such terms and conditions as may then be fixed by the Minister.

28. In case of disagreement as to the true intent and meaning of this Agreement, the same shall be referred to arbitration under The Arbitration Act (Ontario) R.S.O. 1937, Chapter 109.

29. The Company hereby covenants and agrees to observe, perform and keep all the covenants, provisions, agreements and conditions on its part herein contained.

30. In this Agreement "Minister" shall mean the Minister of Lands and Forests, for the time being, of the Province of Ontario.

31. This Agreement shall be binding upon and enure to the benefit of the Company and its assigns, but this Agreement and the rights of the Company hereunder shall not be assigned without the prior knowledge and consent of the Minister.

IN WITNESS WHEREOF the parties hereto have executed these presents the day and year first above written.

SIGNED, SEALED AND DELIVERED  
in the presence of:

"W. G. THOMPSON" (SEAL)  
MINISTER OF LANDS AND FORESTS  
FOR THE PROVINCE OF ONTARIO.

A. E. WICKS, LIMITED.

By: "W. E. WICKS"  
PRESIDENT

AND: "R. D. McMILLAN"  
SECRETARY.

(SEAL)

#### SCHEDULE "A"

This is Schedule "A" referred to in the Agreement between His Majesty the King and A. E. Wicks, Limited, dated the 16th day of August, A.D. 1945.

The Township of Bartlett, the West one-third of the Township of Geikie, and the Townships of Beemar (East of Peter Long Lake), English, Zavitz and Semple.





# MINISTER

## DEPUTY MINISTER

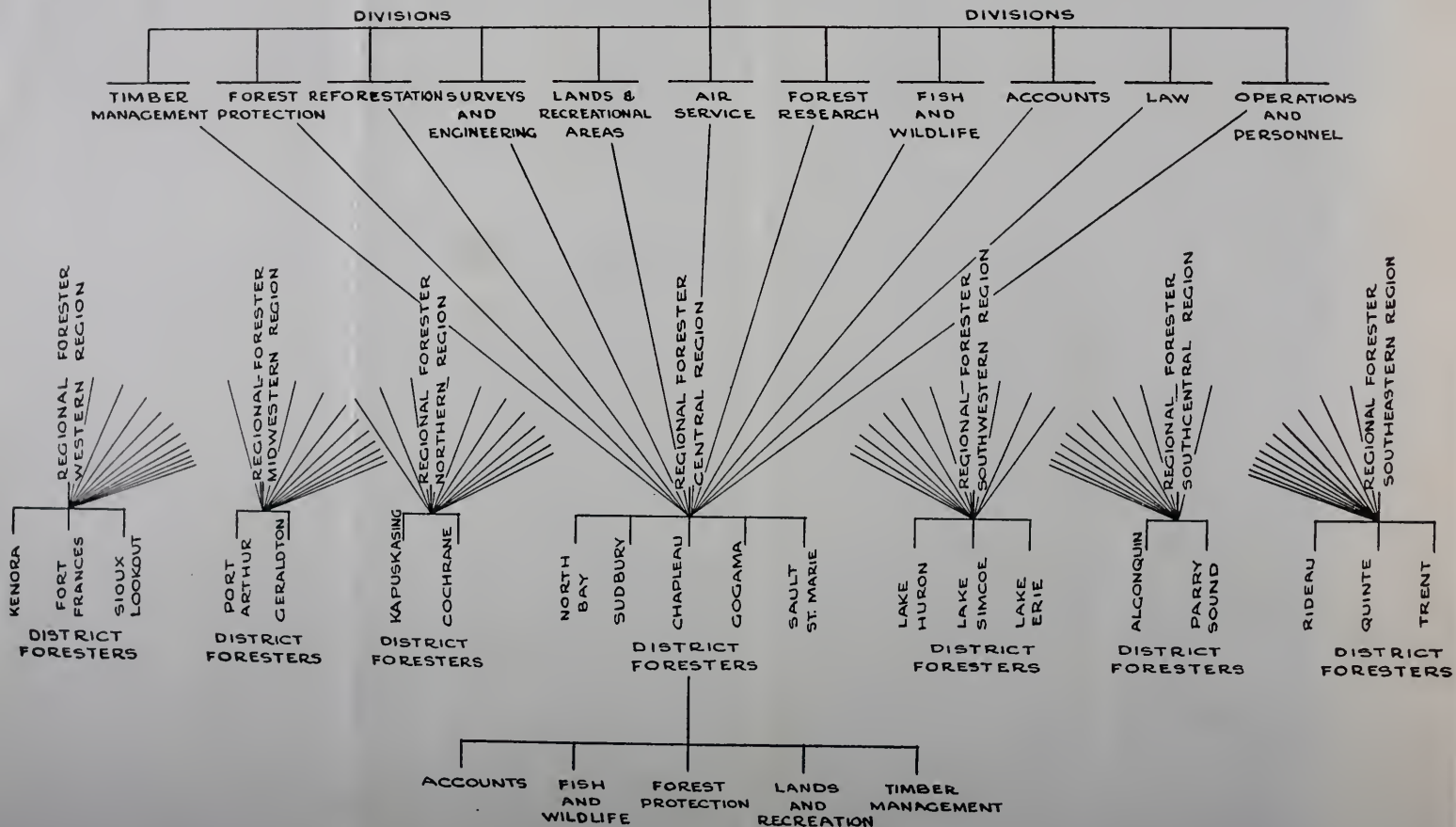


Chart showing the present organization of the Department of Lands and Forests.

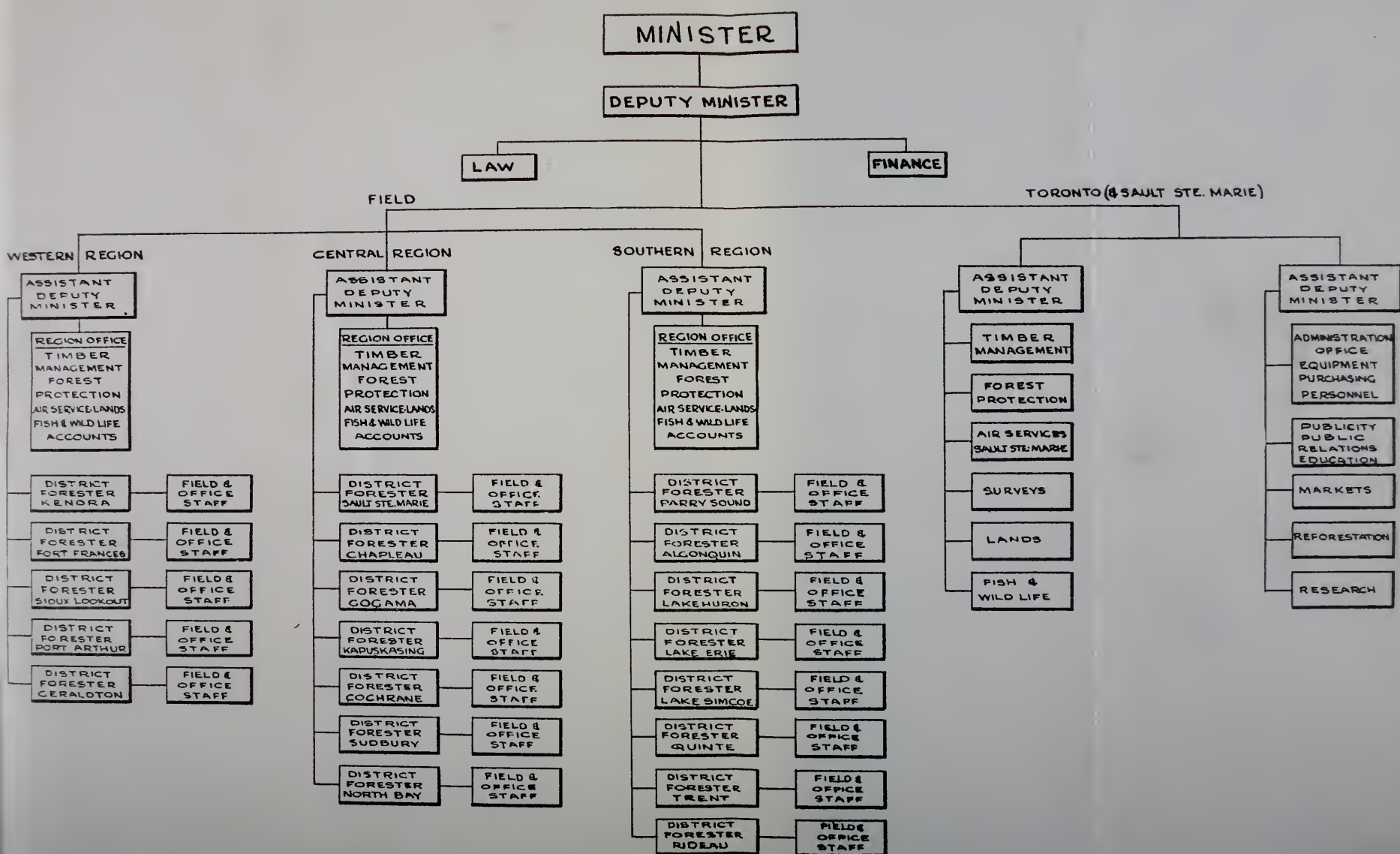


Chart showing the proposed reorganization of the Department of Lands and Forests.









**REPORT**  
*of the*  
**INSPECTOR OF LEGAL  
OFFICES**  
**ONTARIO**  
**1946**

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER NO. 5, 1947



ONTARIO

TORONTO  
Printed and Published by Baptist Johnston,  
Printer to the King's Most Excellent Majesty  
1947



TO THE HONOURABLE RAY LAWSON,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to Your Honour the Annual Report of the Inspector of Legal Offices for the year ending 31st December, 1946.

L. E. BLACKWELL,  
*Attorney-General.*

Toronto, March 28th, 1947.





Report  
*of the*  
Inspector of Legal Offices  
Ontario, 1946

---

Parliament Buildings,  
Toronto, Ontario.

THE HONOURABLE L. E. BLACKWELL, K.C.,  
*Attorney-General, Province of Ontario,*  
Parliament Buildings, Toronto.

SIR:

I have the honour to submit to you my report as Inspector of Legal Offices for the year ending December 31st, 1946.

This has been another busy year in all offices. The Land Titles and Registry Offices have once more touched a new high in volume of business, in gross and net receipts, and in the aggregate of Land Transfer Tax of more than one million dollars collected by the various offices and remitted to the Provincial Treasurer.

Uniformly, the surpluses paid over by the different Land Titles and Registry Offices to the municipalities so entitled have been larger than ever.

With respect to the Court offices, the volume of business is again on the increase. There were only two deficits in operating costs in all the different Court offices, all the remainder returning surpluses of varying amounts.

The aggregate of Magistrates' fines has come up materially, perhaps in view of the fact that gasoline may be obtained freely and new cars are available for a number of individuals.

There have been more actions entered in the Division Courts than last year, and the larger courts have been very active.

The total revenue received from all sources exceeded two and one-half million dollars.

Mr. H. C. Moore has visited most of the Land Titles and Registry Offices during the year. His advice and knowledge has been freely given and has been of value to the various incumbents. Further, he has been of much assistance to many members of the legal profession who have had problems in Registry and Land Titles matters. Mr. W. E. Corey, who joined our staff on September 1st last, has been occupied particularly in checking maps, map indexing, plans and descriptions in Land Titles Offices, and is proving himself a most valuable officer in this work.

Our Auditors have been busier than ever. Messrs. Dignam, Reddin and Gourley, have not only audited all offices in the Province, some more than once, but have made special audits on numerous occasions by request,

and have further undertaken audits in all instances where there has been a change in the incumbent of any office. Their zealous efforts in the proper performance of their duties deserve the greatest praise. Further, the methods adopted in the audits, and their co-operation with, and understanding of the problems of, the different officials merits much commendation.

It is most difficult to keep up with the volume of business in the Land Titles and Registry Offices. Trained personnel is not available and replacements are difficult to obtain. These staffs in the main all work at top speed.

The outside offices in all parts of the Province have again met the situation splendidly. The incumbents and their staff are courteous and painstaking, and give to the public cheerful and willing service, with happy results, and substantially no difficulties.

As a matter of course the larger volume of business makes the work of the staff of this office more intensive, and the same fairness and whole-hearted co-operation, which has characterized it in the past, prevails. All situations have been taken care of as they arose, and what has had to be done has been carried on faithfully and well. I cannot speak too highly of the services rendered by all, nor of my own appreciation of the courtesy and loyalty shown to me.

The following is the total revenue collected by the Legal Offices of the Province and the disposition of such money:

**TOTAL REVENUE COLLECTED DURING 1946  
LEGAL OFFICES, PROVINCE OF ONTARIO**

Magistrates' Fines .....	\$ 394,717.32
Magistrates' Fees .....	33,416.92
(The above amounts do not include statutory amounts paid to municipalities, nor fines and fees paid direct by Magistrates to the Federal Government and to the Inspectors under The Liquor Control Act.)	
Registrars of Deeds and Local Masters of Titles Fees .....	96,447.94
Registrars of Deeds and Local Masters of Titles, Land Transfer Tax .....	1,071,146.16
Local Registrars, S.C.O., County and District Court Clerks and Surrogate Registrars, Cash Fees .....	241,091.39
Local Registrars, S.C.O., County and District Court Clerks and Surrogate Registrars, Law Stamps .....	566,128.60
Crown Attorneys and Clerks of the Peace, Fees .....	63,587.81
Crown Attorneys and Clerks of the Peace, Fines and Estreated Bail .....	4,595.50
Sheriffs' Fees .....	85,957.12
Division Court Clerks' and Bailiffs' Fees .....	16,672.42
Miscellaneous Revenue .....	11,609.19
	\$2,590,370.37

**DISPOSITION**

Amount Paid through Inspector of Legal Offices to Treasury Department ..	\$ 953,095.61
Amount Paid Direct to Treasury Department in Land Transfer Tax .....	1,071,146.16
Amount Paid Direct to Treasury Department in Purchase of Law Stamps ..	566,128.60
	\$2,590,370.37
Amount Paid to Inspector of Legal Offices and Transferred to the Treasury Department afterwards Transferred by Journal Entry to other Departments of the Government, as follows:	
Department of Lands and Forests .....	\$ 44,826.93
Department of Highways .....	51,390.68
	\$ 96,217.61

I attach hereto the schedules and statements in reference to the specific details of the offices and administration:

1. Statements—Osgoode Hall Offices (Surrogate Clerk, Administrative Branch, Appellate Division and Master's Office).
2. Financial Statement of Judicial Offices, namely, Sheriff's, Surrogate Judges, Local Masters, S.C.O., County and District Court Clerks and Surrogate Registrars, Crown Attorneys and Clerks of the Peace.
3. Financial Statement respecting Local Masters of Titles and Registrars of Deeds.
4. Financial Statement respecting Magistrates.
5. Statement re Juvenile Courts.
6. Statement re Division Court Clerks and Bailiffs.
7. Appointments.

All of which is respectfully submitted.

I have the honour to be, Sir,

Your obedient servant,

HUGH H. DONALD,

*Inspector of Legal Offices.*





**Statements**  
**Osgoode Hall Offices**

- (a) SURROGATE CLERK
- (b) ADMINISTRATIVE BRANCH
- (c) APPELLATE DIVISION
- (d) MASTER, SUPREME COURT

## ANNUAL REPORT FOR YEAR 1946, SURROGATE CLERK'S OFFICE

1. Number of Notices of Application for Probate and Administration and Certificates Issued .....	15,727
2. Number of Notices of Application for Guardianship Received and Certificates Issued .....	40
3. Number of Caveats Filed .....	77
4. Number of Searches in Office Paid for Other than by Surrogate Registrars .....	211
5. Number of Deeds of Election Filed .....	3
6. Total Number of Supreme Court Orders Filed .....	16
7. Total Fees for 1946 .....	\$8,715.10

REPORT OF THE BUSINESS OF THE ADMINISTRATIVE BRANCH FOR THE  
YEAR ENDING WITH THE 31st OF DECEMBER, 1946  
SENIOR REGISTRAR'S BRANCH

Number of writs of summons issued (of which 140 were concurrent writs)	3,353
Actions entered in procedure book, commenced by writs issued during the year 1946 .....	3,135
Actions entered in procedure book, transferred from county court during 1946 .....	18
Actions entered in procedure book, commenced by writ during previous years .....	37
Actions entered in procedure book otherwise than by writs .....	91
Records passed .....	2,350
Writs of execution, <i>fi. fa.</i> , issued .....	186
Writs of execution, renewals, alias and pluries .....	188
Actions entered for trial with jury .....	199
Actions entered for trial without jury .....	1,971
Amount of jury fees paid City Treasurer .....	\$498.00
Court orders .....	417
Mechanics' lien orders entered .....	110
Attorney-General orders entered .....	405
Fiats entered .....	395
Change of names filed .....	345
Judgments after trial, etc. ....	322
Judgments by default, mortgage actions .....	64
Judgments by default, ordinary actions .....	90
Judgments <i>nisi</i> signed .....	1,403
Judgments absolute signed .....	1,048
Judgments in mechanics' liens .....	7
Judgments in respect of writs issued, year 1941 .....	4
Judgments in respect of writs issued, year 1942 .....	24
Judgments in respect of writs issued, year 1943 .....	36
Judgments in respect of writs issued, year 1944 .....	322
Judgments in respect of writs issued, year 1945 .....	1,886
Judgments in respect of writs issued, year 1946 .....	657
Total judgments entered .....	2,937
Amount recovered on judgments, exclusive of costs .....	\$1,038,449.11
Amount of taxed costs (including disbursements on judgments of all kinds) \$	23,075.34
Fees paid in law stamps in Registrar's Office .....	\$ 53,770.90
Fees paid in law stamps in Appellate Division .....	\$ 1,394.50

**IN THE SUPREME COURT OF ONTARIO (COURT OF APPEAL)  
REPORT FOR THE YEAR ENDING 31st DECEMBER, 1946**

1. Number of Criminal Appeals set down, of which 181 were applications for leave to appeal .....	351
2. Number of Criminal Appeals heard and disposed of .....	341
3. Number of Criminal Applications "in writing" for leave to appeal refused .....	296
4. Number of Civil Appeals set down .....	345
5. Number of Civil Appeals heard and disposed of .....	226
6. Number of Appeals standing for judgment as of December 31st, 1946 .....	8
7. Number of Appeals reserved .....	169
8. Number of Motions heard by the Court .....	57

**APPEALS HEARD AND DISPOSED OF**

**CRIMINAL**

	Conviction Quashed	Dis- missed	Varied	New Trial Directed
By Attorney-General for Ontario .....	—	3	24	2
By Accused .....	43	197	60	10
By Attorney-General for Canada .....	—	1	—	1
Totals .....	43	201	84	13

**CIVIL**

	Allowed	Dis- missed	Varied	New Trial Directed	Settled
Supreme Court Trial or Single Judge .....	40	54	5	5	8
County or District Court .....	41	41	2	6	5
Division Court .....	8	9	1	1	—
Totals .....	89	104	8	12	13

**ANNUAL RETURN OF FEES COLLECTED IN LAW STAMPS, MASTER'S OFFICE,  
AND TAXING OFFICE, FOR THE YEAR ENDING 31st DECEMBER, 1946**

References and Quieting Titles .....	\$ 734.40
Mortgage References .....	81.60
Taxing Officers' Fees .....	1,075.30
	<u>\$1,891.30</u>





# Financial Statement

*respecting*

SHERIFFS

LOCAL REGISTRARS, S.C.O.

COUNTY AND DISTRICT COURT CLERKS

SURROGATE REGISTRARS

SURROGATE JUDGES

LOCAL MASTERS, S.C.O.

CROWN ATTORNEY AND CLERKS OF THE PEACE

REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1946

COUNTY OR DISTRICT	OFFICE	OFFICER	FEES EARNED IN CASH	FEES EARNED IN LAW STAMPS	TOTAL FEES EARNED	DISBURSE- MENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEES PAID TO PROVINCE	COUNTY OR DISTRICT
ALGOMA Sault Ste. Marie	Sheriff	W. H. Birks	\$ 10,310.35	\$ 4,265.70	\$ 14,576.05	\$ 4,984.93	\$ 3,150.00	\$ 2,175.42	ALGOMA
	Local Registrar	do							
	District Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. H. McDonald					1,000.00		
	Local Master	do		7.50					
	Crown Attorney Clerk of the Peace	A. R. Hugill do	5,623.20		5,623.20	1,464.80	4,079.20	79.20	
BRANT Brantford	Sheriff	G. D. Campbell	7,674.66		7,674.66	2,658.11	2,790.00	2,226.55	BRANT
	Local Registrar	H. J. Wallace	9,828.10	9,382.75	19,210.85	5,212.44	3,150.00	1,465.66	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	D. J. Cowan					1,000.00		
	Local Master	do		10.00					
	Crown Attorney Clerk of the Peace	F. E. D. Wallace (a) do	6,077.80		6,077.80	1,821.04	4,128.38	123.33	
BRUCE Walkerton	Sheriff	H. A. McGillivray	7,959.41	4,550.45	12,509.86	2,584.59	4,200.00	1,174.82	BRUCE
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. F. P. Birnie					1,000.00		
	Local Master	do		56.10					
	Crown Attorney Clerk of the Peace	J. W. Freeborn do	4,714.86		4,714.86	312.31	4,201.27	201.28	





REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE  
PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1916 (Cont'd)

COUNTY OR DISTRICT	OFFICE	OFFICER	FEES EARNED IN CASH	FEES EARNED IN LAW STAMPS	TOTAL FEES EARNED	DISBURSE- MENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEES PAID TO PROVINCE	COUNTY OR DISTRICT
ELGIN St. Thomas	Sheriff	L. D. Cameron	\$ c. 10,094.64	\$ c. 5,448.70	\$ c. 15,543.34	\$ c. 3,193.61	\$ c. 3,937.50	\$ c. 2,963.53	ELGIN
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	D. C. Ross (a)					1,000.00		
	Local Master	do		29.90					
Essex Windsor	Crown Attorney	E. W. Haines	5,155.40		5,155.40	1,103.90	4,025.75	25.75	Essex
	Clerk of the Peace	do							
	Sheriff	A. A. Marentette	17,514.11		17,514.11	8,755.48	4,237.50	4,521.13	
	Local Registrar	A. A. MacKinnon (b)	18,948.69	17,286.10	36,234.79	5,626.49	4,725.00	8,597.20	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. J. Coughlin					1,000.00		
	Local Master	A. C. Bell (c)	636.00		636.00	4.25	631.75		
	Crown Attorney	E. C. Awrey							
	Clerk of the Peace	do							
FRONTENAC Kingston	Asst. Crown Attorney	J. A. Kennedy*							FRONTENAC
	Sheriff	C. H. Wood	7,537.54	2,226.10	9,763.64	1,981.70	4,200.00	1,355.84	
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	Mrs. I. C. Samwell (d)	5,241.93	5,416.40	10,658.33	388.74	2,395.00	2,458.19	
	Surrogate Judge	J. C. Reynolds					1,000.00		
	Local Master	do		9.20					
	Crown Attorney	T. J. Rigney	6,500.63		6,500.63	1,635.48	4,432.58	432.57	
	Clerk of the Peace	do							

GREY Owen Sound	Sheriff	R. G. Benedict ( <i>Act'g</i> )	10,156.03	6,193.30	16,354.33	1,954.71	3,090.00	5,111.32	GREY
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do					1,000.00		
	Surrogate Judge	G. W. Morley							
	Local Master	do		33.70					
HALDIMAND Cayuga	Crown Attorney	C. C. Middlebro	4,655.03		4,655.03	1,117.98	3,537.05		
	Clerk of the Peace	do							
	Sheriff	R. F. Miller	5,910.25	2,570.65	8,480.90	2,099.90	2,690.00	1,120.35	HALDIMAND
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do					1,000.00		
HALTON Milton	Surrogate Judge	Helen Kinnear							
	Local Master	do							
	Crown Attorney	H. Arrell	4,738.93		4,738.93	919.56	3,819.37		
	Clerk of the Peace	do							
	Sheriff	W. J. Robertson ( <i>e</i> )	7,826.57	3,220.65	11,047.22	4,091.87	3,135.41	599.29	HALTON
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	W. N. Munro					1,000.00		
	Local Master	do		28.20					
	Crown Attorney	W. I. Dick	3,529.70		3,529.70	425.49	3,104.21		
	Clerk of the Peace	do							

(a) Judge D. C. Ross retired Dec. 23rd, 1946.

(b) A. A. MacKinnon died Dec. 28th, 1946.

(c) A. C. Bell appointed Feb. 1st, 1946.

(d) Mrs. I. C. Samwell appointed April 1st, 1946: Figures shown are for whole year.

(e) W. J. Robertson appointed Feb. 1st, 1946: Figures shown are for whole year.

(\*) J. A. Kennedy resigned Sept. 1st, 1946.



KENT Chatham	Sheriff	A. Poulter	6,356.02		6,353.02	2,349.42	3,653.30	353.30	KENT
	Local Registrar	D. E. Douglas	9,143.90	7,925.95	17,069.85	3,644.50	3,937.50	1,561.90	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	H. E. Grosch							
	Local Master	do		62.80			1,000.00		
LAMBTON Sarnia	Crown Attorney	A. D. Bell	9,992.38		9,992.38	2,466.93	4,940.69	2,584.76	LAMBTON
	Clerk of the Peace	do							
	Sheriff	A. J. Johnston	5,130.51		5,130.51	1,260.33	3,870.18		
	Local Registrar	D. S. Whyte	9,342.73	8,913.15	13,255.88	2,096.73	3,783.32	3,462.68	
	County Court Clerk	do							
	Surrogate Registrar	do							
LANARK Perth	Surrogate Judge	M. A. Miller							LANARK
	Local Master	do		16.00			1,000.00		
	Crown Attorney	H. M. Taylor							
	Clerk of the Peace	do		Fees com	muted at \$ 3,500.00 pe	r annum.			
	Sheriff	G. R. McLennan	6,341.98	3,544.50	9,886.48	2,774.13	3,675.00		
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	F. W. Wilson							
	Local Master	do		13.10			1,000.00		
	Crown Attorney	J. A. B. Duimage							
	Clerk of the Court	do		Fees com	muted at \$ 2,500.00 pe	r annum.			

(a) Judge J. C. A. Cameron resigned; J. C. Anderson appointed Surrogate Judge Nov. 28th, 1946.





MANITOULIN	Sheriff	W. C. Fell (a)	2,106.44	547.55	2,653.99	263.29	246.95	1,548.20	MANITOULIN
Gore Bay	Local Registrar	do							
	District Court Clerk	do							
	Surrogate Registrar	do					1,000.00		
	Surrogate Judge	A. B. Currey							
	Local Master	do							
	Crown Attorney	J. A. Kinney	1,615.35		1,615.35	197.08	1,418.27		
	Clerk of the Peace	do							
MIDDLESEX	Sheriff	R. H. Beattie (b)	14,677.83		14,677.83	5,691.72	6,470.57	2,515.54	MIDDLESEX
London	Local Registrar	G. H. Tennent	21,625.49	20,911.65	42,537.14	11,470.91	5,040.00	5,114.58	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	Jos. Wearing					1,000.00		
	Local Master	do		43.00					
	Crown Attorney	C. C. Savage		Fees com	muted at \$5,775.00 pe	r annum.			
	Clerk of the Peace	do					1,800.00		
	Asst. Crown Attorney	R. W. D. Lewis							
MUSKOKA	Sheriff	W. B. Elliott	4,169.91	1,565.50	5,735.41	1,610.80	2,440.00	119.11	MUSKOKA
Bracebridge	Local Registrar	do							
	District Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	E. A. Wright					1,000.00		
	Local Master	do							
	Crown Attorney	K. A. Mahaffy	3,165.33		3,165.33	252.31	2,913.02		
	Clerk of the Peace	do							

(a) W. C. Fell appointed Feb. 1st, 1946: Figures shown are for whole year.

(b) R. H. Beattie appointed Oct. 1st, 1946: Figures shown are for whole year.

REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1916 (Cont'd)

COUNTY OR DISTRICT	OFFICE	OFFICER	FEES EARNED IN CASH	FEES EARNED IN LAW STAMPS	TOTAL FEES EARNED	DISBURSEMENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEES PAID TO PROVINCE	COUNTY OR DISTRICT
NIPISSING North Bay	Sheriff	A. B. Ghard	\$ 7,061.25	\$ 2,274.60	\$ 9,335.85	\$ 2,803.35	\$ 3,350.00	\$ 907.90	NIPISSING
	Local Registrar	do							
	District Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. A. S. Plouffe					1,000.00		
	Local Master	do		10.10					
NORFOLK Simcoe	Crown Attorney	E. A. Tilley	6,406.75		6,406.75	1,921.16	4,242.79	242.80	NORFOLK
	Clerk of the Peace	do							
	Sheriff	A. C. Pratt	11,074.09	5,785.70	16,859.79	5,280.62	2,940.00	2,853.47	
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
NORTHUMBERLAND AND DURHAM Durham Cobourg	Surrogate Judge	G. A. P. Brickenden		59.50			1,000.00		NORTHUMBERLAND AND DURHAM
	Local Master	do							
	Crown Attorney	W. E. Kelly		Fees commuted at \$3,400.00 per annum.					
	Clerk of the Peace	do							
	Sheriff	F. C. Richardson	12,335.41	7,811.10	20,146.51	4,807.83	4,200.00	3,327.58	
	Local Registrar	do							
NORTHUMBERLAND AND DURHAM Durham Cobourg	County Court Clerk	do							NORTHUMBERLAND AND DURHAM
	Surrogate Registrar	do							
	Surrogate Judge	J. C. M. German					1,000.00		
	Local Master	do		69.90					
	Crown Attorney	H. R. Deyman	3,941.82		3,941.82	1,259.99	2,681.83		
	Clerk of the Peace	do							

ONTARIO Whitby	Sheriff	H. Bascom	15,119.59	6,801.95	21,921.54	7,103.82	4,200.00	3,815.77	ONTARIO
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	D. B. Coleman					1,000.00		
	Local Master	do		11.90					
	Crown Attorney	A. C. Hall (a)		Fees com	mutated at \$	4,500.00 pe	r annum.		
OXFORD Woodstock	Clerk of the Peace	do							
	Sheriff	A. A. Bishop (b)	14,624.72	7,364.80	21,989.52	6,284.37	3,383.29	4,957.06	OXFORD
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	E. W. Cross					1,000.00		
	Local Master	do		39.40					
PARRY SOUND Parry Sound	Crown Attorney	Craig McKay	5,715.19		5,715.19	968.60	4,373.29	373.30	
	Clerk of the Peace	do							
	Sheriff	J. E. Armstrong	4,535.33		4,535.33	2,078.35	2,456.98		PARRY SOUND
	Local Registrar	W. R. Dixon	2,617.66	1,893.05	4,510.71	109.43	2,040.00	468.23	
	District Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. B. Moon					1,000.00		
	Local Master	do							
	Crown Attorney	A. G. Burbidge (c)	2,801.02		2,801.02	156.86	2,644.16		
	Clerk of the Peace	do							

(a) A. C. Hall appointed Feb. 1st, 1946.

(b) A. A. Bishop appointed Sept. 1st: Figures shown are for whole year.

(c) A. G. Burbidge appointed July 1st, 1946: Figures shown are for whole year.



REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE  
PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1946 (Cont'd)

COUNTY OR DISTRICT	OFFICE	OFFICER	FEEES EARNED IN CASH	FEEES EARNED IN LAW STAMPS	TOTAL FEEES EARNED	DISBURSE- MENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEEES PAID TO PROVINCE	COUNTY OR DISTRICT
PEEL Brampton	Sheriff	A. E. Sherman (a)	\$ c. 5,747.38	\$ c. 4,764.30	\$ c. 5,747.38	\$ c. 2,633.93	\$ c. 3,040.26	\$ c. 73.19	PEEL
	Local Registrar	A. H. Milner	4,581.15		9,345.45	1,200.90	3,150.00	230.25	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	A. Cochrane					1,000.00		
	Local Master	do							
PERTH Stratford	Crown Attorney	A. G. Davis	5,327.11		5,327.11	836.00	4,245.56	245.55	
	Clerk of the Peace	do							
	Sheriff	L. H. Morgan (b)	11,323.11	6,841.80	18,164.91	5,219.35	3,615.81	2,487.95	PERTH
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
PETERBOROUGH Peterborough	Surrogate Judge	H. D. Lang		25.20			1,000.00		
	Local Master	do							
	Crown Attorney	W. E. Goodwin	7,525.87		7,525.87	849.28	4,834.58	1,842.01	
	Clerk of the Peace	do							
	Sheriff	J. A. Harstone (c)	11,870.94	5,397.35	17,269.29	5,053.42	4,200.00	2,617.52	PETERBOROUGH
	Local Registrar	do							
PETERBOROUGH Peterborough	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	S. L. Smoke		14.00			1,000.00		
	Local Master	W. R. Philp (d)							
	Crown Attorney	V. J. McElderry	6,142.10		6,142.10	832.23	4,577.46	732.41	
	Clerk of the Peace	do							

PRESCOTT AND RUSSELL L'Original	Sheriff	E. A. Johnson (e)	5,778.11	1,889.05	7,667.16	3,449.69	2,000.00	328.42	PRESCOTT AND RUSSELL
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do					1,000.00		
	Surrogate Judge	C. W. A. Marion							
PRINCE EDWARD Picton	Local Master	do							PRINCE EDWARD
	Crown Attorney	W. R. Hall	4,322.15		4,322.15	1,471.54	2,850.61		
	Clerk of the Peace	do							
	Sheriff	H. J. Colliver (f)	5,063.06	2,000.60	7,063.66	1,563.29	3,300.00	199.77	
	Local Registrar	do							
RAINY RIVER Fort Frances	County Court Clerk	do							RAINY RIVER
	Surrogate Registrar	do							
	Surrogate Judge	W. S. Lane		4.80			1,000.00		
	Local Master	do							
	Crown Attorney	G. C. Walmsley	2,101.81		2,101.81		2,101.81		
	Clerk of the Peace	do							
	Sheriff	C. L. Sundin	3,683.68	981.20	4,664.88	1,306.24	2,340.00	37.44	
	Local Registrar	do							
	District Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	W. W. Crow					1,000.00		
	Local Master	do							
	Crown Attorney	N. L. Croome	1,836.05		1,836.05	671.31	1,164.74		
	Clerk of the Peace	do							

(a) A. E. Sherman appointed Feb. 15th, 1946; Figures shown are for whole year.

(b) L. H. Morgan appointed Feb. 1st, 1946; Figures shown are for whole year.

(c) J. A. Harstone returned to duty Jan. 1st, 1946.

(d) W. R. Philp appointed July 30th, 1946; Figures shown are for whole year.

(e) E. A. Johnson appointed May 1st, 1946; Figures shown are for whole year.

(f) H. J. Colliver appointed Jan. 1st, 1946; Figures shown are for whole year.



SUDBURY Sudbury	Sheriff	A. J. Manley	9,103.36		9,103.36	4,327.56	4,037.40	737.90
	Local Registrar	W. A. McMitchell	6,163.45	3,610.00	8,773.45	2,169.88	3,477.75	515.82
	District Court Clerk	do						
	Surrogate Registrar	do						
	Surrogate Judge	E. Proulx					1,000.00	
	Local Master	do						
TEMISKAMING Haileybury	Crown Attorney	E. D. Wilkins		Fees com	muted at \$ 6,000.00 pe	r annum.		
	Clerk of the Peace	do						
	Sheriff	H. Clifford	7,647.04	3,770.25	11,417.29	2,557.07	3,350.00	1,739.97
	Local Registrar	do						
	District Court Clerk	do						
	Surrogate Registrar	do					1,000.00	
THUNDER BAY Port Arthur	Surrogate Judge	J. B. Robinson (a)		29.80				
	Local Master	do						
	Crown Attorney	W. H. Walter (b)		Fees com	muted at \$ 5,000.00 pe	r annum.		
	Clerk of the Peace	do						
	Sheriff	H. Thompson	12,619.22		12,619.22	6,748.68	3,150.00	2,720.54
	Local Registrar	I. C. Collieran	9,238.25	6,300.95	15,539.20	3,042.79	3,150.00	3,045.46
THUNDER BAY Thunder Bay	District Court Clerk	do						
	Surrogate Registrar	do						
	Surrogate Judge	A. H. Dowler					1,000.00	
	Local Master	do						
	Crown Attorney	P. V. Ibbetson	6,448.98		6,448.98	1,678.22	4,385.38	206.68
	Clerk of the Peace	do						

(a) J. B. Robinson appointed Surrogate Judge and Local Master May 17th, 1946.

(b) W. H. Walter appointed Sept. 1st, 1946.



REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE  
PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1946 (Cont'd)

COUNTY OR DISTRICT	OFFICE	OFFICER	FEES EARNED IN CASH	FEES EARNED IN LAW STAMPS	TOTAL FEES EARNED	DISBURSE- MENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEES PAID TO PROVINCE	COUNTY OR DISTRICT
VICTORIA Lindsay	Sheriff	J. Forman	\$ c. 6,669.80	\$ c. 3,152.55	\$ c. 9,822.35	\$ c. 2,525.86	\$ c. 3,150.00	\$ c. 993.94	VICTORIA
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	J. A. McGibbon					1,000.00		
	Local Master	do		.50					
	Crown Attorney Clerk of the Peace	J. E. Anderson (a) do	4,674.72		4,674.72	907.67	3,767.05		
WATERLOO Kitchener	Sheriff	G. H. Gillies	20,147.23	12,724.40	32,871.63	7,779.95	4,200.00	8,167.28	WATERLOO
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	E. W. Clement					1,000.00		
	Local Master	do		20.50					
	Crown Attorney Clerk of the Peace	W. P. Clement do		Fees com muted at \$	3,500.00 pe r annum.				
WELLAND Welland	Sheriff	V. L. Davidson	9,177.71		9,177.71	3,059.61	6,118.10		WELLAND
	Local Registrar	W. H. Waugh	12,577.71	8,965.55	21,543.26	5,409.05	4,200.00	2,968.66	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	H. E. Fuller							
	Local Master	do		10.10			1,000.00		
	Crown Attorney Clerk of the Peace	H. W. Maccomb (b) do	6,561.47		6,561.47	2,003.66	4,278.90	278.91	

WELLINGTON Guelph	Sheriff	H. C. Waind	13,555.41	6,901.35	20,456.76	4,185.31	4,200.00	5,170.10	WELLINGTON
	Local Registrar	do							
	County Court Clerk	do							
	Surrogate Registrar	do							
	Local Master	do	69.40		69.40				
	Surrogate Judge	R. L. MacKinnon					1,000.00		
	Crown Attorney	J. M. Kearns			Fees com	mutated at \$ 3,450.00 pe	r annum.		
	Clerk of the Peace	do							
WENTWORTH Hamilton	Sheriff	A. C. Caldwell	29,988.63		29,988.63	12,944.39	4,712.50	12,331.74	WENTWORTH
	Local Registrar	G. T. Inch	27,731.23		54,009.03	10,677.11	5,550.00	11,504.12	
	County Court Clerk	do							
	Surrogate Registrar	do							
	Surrogate Judge	E. F. Lazier					1,000.00		
	Local Master	do		73.60					
	do	Judge W. Schwenger		16.80			1,000.00		
	Crown Attorney	H. F. McCulloch				Fees com	mutated at \$ 5,775.00 pe	r annum.	
	Clerk of the Peace	do							
	Asst. Crown Attorney	H. F. Brown					2,000.00		

(a) J. E. Anderson resigned Dec. 31st, 1946.

(b) H. W. Maccomb's appointment revoked as of Dec. 31st, 1946.

REPORT OF PERSONNEL, EARNINGS, DISBURSEMENTS, ETC., OF JUDICIAL OFFICERS THROUGHOUT THE PROVINCE OF ONTARIO FOR THE YEAR ENDING 31st DECEMBER, 1946 (Concluded)

COUNTY OR DISTRICT	OFFICE	OFFICER	FEES EARNED IN CASH	FEES EARNED IN LAW STAMPS	TOTAL FEES EARNED	DISBURSEMENTS	NET INCOME OR SALARY OF OFFICER	SURPLUS FEES PAID TO PROVINCE	COUNTY OR DISTRICT
York Toronto	Sheriff	J. D. Conover	\$ 133,623.56	c. ....	\$ 133,623.56	\$ 70,983.21	\$ 5,750.00	\$ 56,890.35	York
	County Court Clerk	J. H. Kennedy (a)	41,390.85	.....	41,390.85	15,745.37	4,685.98	20,959.50	
	Surrogate Registrar	A. S. Winchester	132,287.80	151,765.30	284,053.10	17,577.18	2,187.50	112,523.12	
	Clerk of the Peace	do	19,560.07	.....	19,560.07	9,077.05	.....	10,483.02	
	Crown Attorney	J. W. McFadden	.....	.....	.....	.....	.....	.....	
	Asst. Crown Attorney	W. O. Gibson	.....	.....	.....	.....	annum.	.....	
	do	F. I. Malone	.....	.....	.....	.....	7,000.00	.....	
	do	A. O. Klein	.....	.....	.....	.....	4,150.00	.....	
	do	H. A. Sanders	.....	.....	.....	.....	3,650.00	.....	
	do	A. Armstrong	1,983.30	.....	1,983.30	483.30	1,500.00	.....	
	do	H. H. Bull	.....	.....	.....	.....	3,650.00	.....	
	Surrogate Judge	James Parker	.....	.....	.....	.....	2,600.00	.....	
	do	I. M. Macdonell	.....	.....	.....	.....	1,600.00	.....	
	do	T. H. Barton	.....	.....	.....	.....	1,600.00	.....	
	do	A. E. Honeywell	.....	.....	.....	.....	1,600.00	.....	
	do	F. Deaton	.....	.....	.....	.....	1,600.00	.....	
	do	J. E. Lovering	.....	.....	.....	.....	1,600.00	.....	
	do	J. A. Shea	.....	.....	.....	.....	1,600.00	.....	
	do	S. Factor	.....	.....	.....	.....	1,600.00	.....	
	do	F. G. J. McDonagh	.....	.....	.....	.....	1,600.00	.....	

(a) J. H. Kennedy appointed Aug. 1st, 1946: Figures shown are for whole year.

# Statement

*respecting*

COMMUTED CROWN ATTORNEYS AND CLERKS OF THE PEACE



## COMMUTED CROWN ATTORNEYS AND CLERKS OF THE PEACE, 1946

COUNTY OR DISTRICT AND ADDRESS	NAME	GROSS EARNINGS		GROSS RECEIPTS		SALARY PAID BY PROVINCE		SALARY PAID OUT OF FEES		ALLOWANCE PAID BY PROVINCE FOR OFFICE EXPENSES		DEDUCTED DISBURSE- MENTS FROM RECEIPTS		AMOUNT RECEIVED BY PROVINCE	
		\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
CARLETON Ottawa	R. Mercier	11,995.73		3,258.49		5,775.00				1,500.00		3,198.80		59.69	
COCHRANE Timmins	S. A. Caldwell	5,122.88		622.88		3,500.00				1,000.00		226.38		396.50	
DUFFERIN Orangeville	R. D. Evans	1,489.94		989.94		1,270.00				130.00		58.94		931.00	
ESSEX Windsor	E. C. Awrey	34,805.70		14,586.69		7,000.00						3,739.29		10,847.40	
LAMBERTON Sarnia	H. M. Taylor	4,735.83		2,469.08		3,500.00						959.64		1,509.44	
LANARK Smiths Falls	J. A. B. DuMagne	2,993.71		1,459.05		2,500.00				500.00		349.38		1,109.67	
MIDDLESEX London	C. C. Savage	12,306.17		5,742.16		5,775.00						1,638.35		4,103.81	
NORFOLK Simcoe	W. E. Kelly	5,446.75		4,164.75		3,400.00				650.00				4,164.75	
ONTARIO Whitby	A. C. Hall (a)	8,668.14		6,432.37		4,500.00		410.70				1,649.95		4,711.77	
STORMONT, DUNDAS AND GLEN GARRY—Cornwall	J. G. Harkness	3,588.61		1,004.61		2,830.00				400.00		22.10		982.51	
SUDBURY Sudbury	E. D. Wilkins	12,235.44		3,280.44		6,000.00						2,888.86		391.58	
TEMISKAMING Haileybury	W. H. Walter (b)	3,975.40		3,268.19		5,000.00				1,200.00		2,155.55		1,112.64	
WATERLOO Kitchener	W. P. Clement	5,801.80		2,758.80		3,500.00						591.35		2,167.45	
WELLINGTON Guelph	J. M. Kearns	4,713.94		2,353.94		3,450.00				750.00		109.84		2,244.10	
WENTWORTH Hamilton	H. F. McCulloch	23,979.33		12,374.93		5,775.00				1,050.00		1,246.64		11,128.29	
YORK Toronto	J. W. McFadden			4,073.97		8,000.00				*		47.26		4,026.71	

(a) A. C. Hall appointed Feb. 1st, 1946.

(b) W. H. Walter appointed Sept. 1st, 1946; C. F. Tuer acted from Jan. 1st to March 31st; J. B. Robinson returned to duty April 1st and acted until May 17th; Dalton Dean acted from May 18th to Aug. 31st; Figures shown are for whole year.

\* Salaries of Staff are paid direct by Provincial Treasurer.

# Financial Statement

*respecting*

REGISTRARS OF DEEDS AND LOCAL MASTERS OF TITLES

STATEMENT OF REGISTRARS OF DEEDS AND LOCAL MASTERS OF TITLES, PROVINCE OF ONTARIO,  
FOR THE YEAR ENDING 31st DECEMBER, 1946

No.	REGISTRY DIVISION	REGISTRAR	ADDRESS	GROSS EARNINGS OF OFFICE		DISBURSE- MENTS		NET INCOME OR SALARY OF OFFICER		AMOUNT PAID TO COUNTY		AMOUNT PAID TO PROVINCE		No. OF INSTRU- MENTS REGIS- TERED
				\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	
1	Algoma	E. L. DeCourcy	Sault Ste. Marie	10,354.60		7,415.59		3,060.00				8,047.19		3,882
2	Brant	A. Graham	Brantford	14,309.51		3,935.75		4,937.38		5,436.38				5,619
3	Bruce	J. C. Busby	Walkerton	13,192.35		3,721.62		3,600.00		5,870.73				4,617
4	Carleton	T. V. Flanagan	Ottawa	18,530.36		7,112.50		5,041.78		6,376.08				6,014
5	Cochrane	J. A. A. Duranceau	Cochrane	23,533.74		14,912.80		4,300.00				17,888.36		4,564
6	Dufferin	F. J. Patterson	Orangeville	4,487.30		811.60		3,337.85		337.85				1,440
7	Dundas	Harvey Johnston	Morrisburg	2,652.90		456.00		2,196.90						1,091
8	Durham, East	H. Cameron (a)	Port Hope	8,129.60		4,138.55		3,495.52		495.53				1,099
9	Durham, West	do	Bowmanville											1,387
10	Elgin	H. J. Davis	St. Thomas	15,127.39		5,888.78		3,300.00		5,867.02				5,207
11	Essex	Miss B. Coyne (L.M.T.) - Dr. Paul Poisson	do	87.80				2,650.00		87.80				23
12	Fort William	J. N. F. Gillespie (b)	Windsor	43,315.56		16,433.24		4,750.00		27,122.32				18,112
	do	Miss M. Sutherland D.L.M.T.	Fort William	12,274.55		7,234.39		1,041.65				8,630.86		3,900
13	Frontenac	W. J. Gibson	Kingston	13,366.70		4,200.72		4,816.60		4,349.40				4,468
14	Glengarry	S. O'Connor	Alexandria	3,723.90		900.00		2,823.90						1,255
15	Grenville	J. G. Langstaff (c)	Prescott	3,342.95		346.25		2,996.70						1,235
16	Grey, North	G. H. Holmes	Owen Sound	10,321.45		3,753.35		4,606.80		2,461.30				3,597
17	Grey, South	H. McKechnie	Durham	6,591.25		1,639.00		3,961.13		961.12				2,229
18	Haldimand	H. E. May (d)	Cayuga	7,053.85		2,322.04		2,300.00		2,436.81				2,556
19	Haliburton	E. E. McElwain	Minden	3,916.15		1,050.00		2,866.15						1,400
20	Halton	Miss M. B. Field	Milton	12,561.45		4,436.52		2,700.00		5,424.93				4,155
21	Hastings	J. S. Dewar	Belleville	14,702.95		4,000.32		4,970.26		5,732.37				5,503
22	Huron	R. M. Roberts (e)	Goderich	13,030.45		5,008.71		2,760.00		5,261.74				4,744
23	Kenora	Mrs. E. A. Cunningham	Kenora	8,347.60		5,943.58		2,960.00				7,273.40		3,425
24	Kent	M. Huffman	Chatham	21,638.65		5,544.10		5,514.45		10,630.10				8,143
	Kingston and Frontenac	(See Frontenac)												
25	Lambton	N. L. LeSueur	Sanvia	26,113.22		12,951.28		4,000.00		9,161.94				8,510
26	Lanark, North	C. M. Forbes (f)	Almonte	7,520.80		3,608.27		2,000.00		1,912.53				1,108
27	Lanark, South	do	Perth											1,535
28	Leeds	T. R. Gray (g)	Brockville	8,440.05		2,721.53		2,750.00		2,968.52				3,317
29	Lennox and Addington	G. S. Reid	Napanee	4,732.55		1,088.60		3,351.97		351.98				1,576
30	Lincoln	W. D. Fairbrother	St. Catharines	23,613.51		11,011.25		5,160.23		7,442.02				7,963
31	London	W. F. Hungerford	London	14,456.10		4,851.60		4,860.45		4,744.05				5,782
32	Manitoulin	W. C. Fell (h)	Gore Bay	3,244.28		1,712.23		1,403.05				129.00		1,005

33	Middlesex, East and North	C. C. Savage ( <i>Act'g</i> )	London	18,051.35	8,711.51	9,339.84	5,486
34	Middlesex, West	H. L. Bechill ( <i>i</i> )	Glencoe	4,961.85	1,084.01	438.92	1,726
35	Muskega	Miss I. A. Thomson, Dep'ty	Bracebridge	11,543.06	5,767.40	3,438.92	3,258
36	Nipissing	G. R. Brady	North Bay	12,911.65	7,317.28	4,387.83	4,284
37	Norfolk	D. Gilbertson	Simcoe	13,060.60	4,714.00	3,780.00	4,720
38	Northumberland, East	A. G. Willoughby	Colborne	5,695.30	1,110.10	4,546.60	1,967
39	Northumberland, West	F. J. Slade	Cobourg	2,975.15	741.60	3,792.60	1,091
40	Ontario	A. W. Bell	Whitby	20,772.75	9,750.63	2,233.55	7,245
41	Ottawa	R. D. Bray	Ottawa	20,406.75	7,875.81	3,400.00	7,117
	do	W. G. Pugsley (L.M.T.)	do	4,782.05	1,107.07	4,500.00	1,271
42	Oxford	W. J. MacWhinnie	Woodstock	14,841.65	4,625.75	4,921.59	5,024
43	Parry Sound	J. H. Tully	Parry Sound	11,030.11	3,792.24	2,760.00	2,620
44	Peel	S. Beatty ( <i>k</i> )	Brampton	14,419.80	6,854.60	3,137.49	5,060
45	Perth	G. D. L. Rice	Straford	12,020.65	4,091.65	3,400.00	4,107
46	Peterborough	W. F. Morrow	Peterborough	14,729.19	4,094.25	4,963.49	5,166
47	Port Arthur	Miss I. Wilson	Port Arthur	14,545.00	9,127.35	2,989.99	4,344
48	Prescott	J. L. Rochon	L'Original	4,639.73	1,426.50	3,106.62	1,864
49	Prince Edward	J. V. Graydon ( <i>l</i> )	Pictou	3,883.30	694.31	3,278.36	1,295
50	Rainy River	N. L. Croome	Port Frances	6,766.70	2,357.25	4,409.45	1,765
51	Renfrew	G. W. Campbell	Penbrooke	11,289.80	3,428.15	5,430.82	3,684
52	Russell	M. Stanley	Russell	3,668.60	745.00	2,923.60	1,311
53	Simcoe	G. O. Cameron	Barrie	30,295.99	9,929.00	4,500.00	10,209
54	Stormont	Miss H. C. Binnie ( <i>Act.</i> ) ( <i>m</i> )	Cornwall	8,780.99	3,098.10	4,341.45	3,265
55	Sudbury	B. St. Pierre	Sudbury	19,352.60	9,343.19	17,001.62	5,941

(a) H. Cameron appointed Jan. 1st, 1946.

(b) J. N. F. Gillespie appointed Registrar of Deeds only, Aug. 1st, 1946; Miss M. Sutherland, Deputy Local Master of Titles and Deputy Registrar of Deeds, acted from date of death of J. McClure, April 24th, 1946; Figures shown are for whole year.

(c) J. G. Langstaff appointed May 1st, 1946; Figures shown are for whole year.

(d) H. E. May appointed Feb. 1st, 1946; Figures shown are for whole year.

(e) J. M. Roberts appointed Jan. 1st, 1946.

(f) C. M. Forbes died Dec. 29th, 1946; Figures shown are for whole year.

(g) T. R. Gray appointed Jan. 16th, 1946; Figures shown are for whole year.

(h) W. C. Fell appointed Feb. 1st, 1946; Figures shown are for whole year.

(i) H. L. Bechill appointed Dec. 1st, 1946; W. N. Reyecraft resigned; Figures shown are for whole year.

(j) Miss I. A. Thomson acted from date of death of N. E. Prowse, May 11th, 1946 to Dec. 31st, 1946; Figures shown are for whole year.

(k) S. Beatty appointed Feb. 15th, 1946; Figures shown are for whole year.

(l) J. V. Graydon returned to duty March 1st, 1946; Figures shown are for whole year.

(m) Miss H. C. Binnie, Deputy, acted from date of death of J. C. Alguire, Sept. 30th, 1946 to Dec. 31st, 1946; Figures shown are for whole year.

(n) N. L. Croome retained all surplus over \$1500. to make up deficits in past several years.



STATEMENT OF REGISTRARS OF DEEDS AND LOCAL MASTERS OF TITLES, PROVINCE OF ONTARIO,  
FOR THE YEAR ENDING 31st DECEMBER, 1945 (Concluded)

No.	REGISTRY DIVISION	REGISTRAR	ADDRESS	GROSS EARNINGS OF OFFICE		DISBURSE- MENTS		NET INCOME OR SALARY OF OFFICER		AMOUNT PAID TO COUNTY		AMOUNT PAID TO PROVINCE		No. OF INSTRU- MENTS REGIS- TERED
				\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	
56	Teniskaming	P. J. Knox	Haileybury	17,286.95		11,439.69		3,665.07				12,013.52		3,658
57	Toronto	I. T. Strachan	Toronto	117,845.20		63,494.38		6,000.00		48,350.82				47,356
58	Victoria	D. McQuarrie	Lindsay	8,493.20		2,858.35		4,327.42		1,327.43				2,791
59	Waterloo	G. V. Hilborn	Kitchener	26,119.70		11,942.83		4,750.00		9,426.87				9,807
60	Welland	E. E. Fraser (p)	Welland	29,977.40		12,826.72		5,615.06		11,535.62				11,039
61	Wellington, North	J. J. McDonald	Arthur	4,742.01		1,429.10		3,156.45		156.45				1,763
62	Wellington, S. and C.	J. B. Morrison (o)	Guelph	11,613.88		4,558.29		4,605.56		2,450.03				4,016
63	Wentworth	W. H. Lovering	Hamilton	54,696.05		23,220.13		6,500.00		24,975.92				21,493
64	York, East and West	W. I. Hearst (p)	Toronto	93,026.52		40,824.22		1,500.00		56,502.30				40,429
65	York, North	R. L. Boag	Newmarket	12,024.15		1,765.60		4,925.85		5,332.70				4,335
66	York	C. R. Deacon (M. of T.)	Toronto	48,602.40		38,381.78		5,774.94				48,602.40		14,491

(n) E. E. Fraser resigned Nov. 14th, 1946; Miss S. M. Clark, Deputy, acted for remainder of year; Figures shown are for whole year.

(o) J. B. Morrison appointed May 1st, 1946; J. B. Mitchell having died; Figures shown are for whole year.

(p) W. I. Hearst appointed Oct. 1st, 1946; Figures shown are for whole year.

# Statement

*respecting*

LOCAL MASTERS OF TITLES

**LOCAL MASTERS OF TITLES, PROVINCE OF ONTARIO, 1946**  
**Local Masters of Titles Who Are Also Registrars of Deeds and Who Remit Surplus Fees to the Province**

No.	DISTRICT AND ADDRESS	NAME	TOTAL EARNINGS \$ c.	SALARIES AND OTHER EXPENSES PAID BY PROVINCE \$ c.	SALARIES AND OTHER EXPENSES PAID OUT OF FEES \$ c.	AMOUNT RECEIVED BY PROVINCE
1	ALGOMA Sault Ste. Marie	E. L. DeCourcy	10,854.60	4,645.67	2,769.92	8,047.19
2	COCHRANE Cochrane	J. A. A. Duranceau	23,563.74	9,237.42	5,675.38	17,888.36
3	FORT WILLIAM Fort William	Miss M. Sutherland, Deputy (a)	12,274.55	3,640.70	3,643.69	8,630.86
4	KENORA Kenora	Mrs. E. A. Cunningham	8,347.60	4,869.48	1,074.10	7,273.40
5	NIPISSING North Bay	G. R. Brady	12,911.65	5,484.43	1,832.85	10,794.25
6	PORT ARTHUR Port Arthur	Miss I. Wilson	14,545.00	3,013.56	6,113.79	8,050.99
7	SUDBURY Sudbury	B. St. Pierre	19,352.60	6,992.21	2,350.98	17,001.62
8	TEMISKAMING Haileybury	P. J. Knox	17,286.95	6,156.26	5,273.43	12,013.52

**Local Masters of Titles Who Are Not Registrars of Deeds and Who Take Fees**

No.	COUNTY AND ADDRESS	NAME	TOTAL EARNINGS \$ c.	DISBURSEMENTS \$ c.	NET EARNINGS \$ c.
1	CARLETON Ottawa	W. G. Pugsley	4,782.05	1,107.07	3,674.98
2	ELGIN St. Thomas	Miss B. Coyne	87.80	—	87.80

## Local Masters of Titles Who Are Also Registrars of Deeds and Who Take Fees

No.	COUNTY OR DISTRICT AND ADDRESS	NAME	TOTAL EARNINGS	DISBURSE- MENTS	AMOUNT RECEIVED BY PROVINCE	NET TO OFFICER
1	MANITOULIN Gore Bay	W. C. Fell (b)	\$ c. 3,244.28	\$ c. 1,712.23	\$ c. 129.00	\$ c. 1,403.05
2	MUSKOKA Bracebridge	Miss I. A. Thomson, Deputy (c)	11,543.06	5,767.40	1,387.83	4,387.83
3	ONTARIO Whitby	A. W. Bell	20,772.75	9,750.63	7,622.12	3,400.00
4	PARRY SOUND Parry Sound	J. H. Tully	11,030.10	3,792.24	4,477.86	2,760.00
5	RAINY RIVER Fort Frances	N. L. Croome	6,766.70	2,357.25	—	4,409.45

## Master of Titles, Toronto

COUNTY AND ADDRESS	NAME	TOTAL EARNINGS	DISBURSE- MENTS	SALARY PAID TO OFFICER	AMOUNT RECEIVED BY PROVINCE
YORK Toronto	C. R. Deacon	\$ c. 48,602.40	\$ c. 38,381.78	\$ c. 5,775.00	\$ c. 48,602.40

- (a) Miss M. Sutherland acted from the date of death of J. McClure, April 24th, 1946, to the end of the year as Local Master of Titles and as Registrar of Deeds until appointment of J. N. F. Gillespie Aug. 1st, 1946; Figures shown are for whole year.
- (b) W. C. Fell appointed Feb. 1st, 1946; Figures shown are for whole year.
- (c) Miss I. A. Thomson acted from date of death of N. E. Prowse, May 11th, 1946 to Dec. 31st, 1946; Figures shown are for whole year.





# Financial Statement

*respecting*

MAGISTRATES

## MAGISTRATES, PROVINCE OF ONTARIO, 1946

No. OF MAGIS- TERIAL DIST.	COUNTIES AND DISTRICTS IN MAGISTERIAL DISTRICTS	NAMES OF MAGISTRATES IN MAGISTERIAL DISTRICTS	ADDRESS	RATE OF SALARY PAID BY PROVINCE		RATE OF SALARY PAID BY MUNICI- PALITY		TRAVEL- ING EXPENSES PAID BY PROVINCE		TOTAL NUMBER OF CASES	TOTAL FINES AND FEES PAID TO PROVINCE	
				\$	c.	\$	c.	\$	c.		\$	c.
1	Essex Lambton Kent	I. B. Craig	Chatham	3,000.00				295.70		3,009	7,047.87	
		A. W. MacMillan	Windsor		5,000.00					8,798	240.00	
		J. A. Hanrahan	do	2,240.00		2,500.00		424.65		1,423	5,098.41	
		C. S. Woodrow	Sarnia	3,675.00				188.09		1,217	4,835.51	
2	Elgin Oxford Perth Huron	Chas. Weir ( <i>Deputy</i> )	do									
		R. G. Groen	Woodstock	3,000.00				469.08		2,012	5,894.52	
		A. F. Cook	Stratford	3,500.00				305.89		1,258	3,553.21	
		D. B. Menzies	London	525.00		5,000.00		35.60		11,214	3,754.48	
		E. D. Smith	St. Thomas	3,000.00				100.67		3,653	5,525.25	
		J. W. Morley ( <i>a</i> )	Goderich	3,500.00				798.89		304	1,229.07	
		Ian MacRae	Strathroy	2,000.00				93.50				
3	Bruce Grey Dufferin Wellington	E. C. Spereman	Owen Sound	3,675.00				379.68		2,824	5,353.18	
		O. McClevis	Walkerton	3,150.00				489.20		732	2,392.93	
		F. Watt	Guelph	3,675.00				124.31		2,416	4,831.03	
4	Brant Waterloo Norfolk	R. J. Gillen	Brantford	3,675.00				194.96		3,655	4,474.14	
		H. R. Polson	Kitchener	3,675.00				609.31		5,598	6,498.63	
		H. P. Innes	Simcoe	3,000.00				294.91		2,049	5,334.02	
		H. P. Innes	Cayuga					14.06		710	3,362.50	
5	Wentworth Haldimand Lincoln Welland	S. E. Buck ( <i>Deputy</i> )	Hagersville	20.00		per diem						
		H. A. Burbridge	Hamilton			4,500.00				29,543	918.80	
		Jas. McKay ( <i>Deputy</i> )	do			3,000.00						
		H. Burville ( <i>Deputy</i> )	do									
		J. H. Campbell ( <i>b</i> )	St. Catharines	3,675.00				527.18		4,508	9,406.61	
		H. D. Hallett ( <i>Deputy</i> )	do	20.00								
		J. B. Hopkins	Niagara Falls	3,675.00		per diem		809.45		3,001	10,429.22	
		O. M. Martin	Toronto, 57 Adelaide St. E.	4,000.00						15,178	44,689.78	
		W. E. McIlveen	Mimico	4,200.00				359.11		6,975	21,712.19	
		K. M. Langdon	Georgetown	3,000.00				144.30		354	1,525.49	
6	York Halton Peel Toronto	T. H. Moorehead ( <i>Deputy</i> ) ( <i>c</i> )	Brampton	3,000.00				1,272.13		3,122	14,528.32	

7	Ontario Simcoe Muskoka	R. J. Browne	Toronto		6,200.00	207.40	152.047	4,327.75
		T. S. Elmore (d)			5,000.00			
		A. H. Lightbourne (Deputy) (e)	Oakville	20.00	per diem			
		F. C. Gullen	Toronto		5,000.00			
		S. T. Bigelow	do		5,000.00			
		J. E. Pritchard (Deputy)	do	20.00	per diem			
		L. Stewart (Deputy)	do		3,000.00			
		R. P. Locke (Deputy)	do		3,300.00			
		R. Hossack	do		1,050.00			
		J. L. Prentice	do		5,000.00			
8	Northumberland and Durham Peterborough Victoria Haliburton	A. L. Tinker (Deputy)	do		6,000.00			
		H. S. Mott	do					
		D. Webster (Deputy)	do	1,600.00	2,400.00			
		J. A. Netherfield (Deputy)	do					
		K. A. Cameron	Orillia	4,000.00		851.73	1,776	5,217.42
		F. S. Ebbs	Oshawa	3,675.00		584.45	3,286	8,097.92
		G. R. Foster	Barrie	3,675.00		577.88	2,680	9,768.60
		R. Thomas (Deputy)	Bracebridge	2,400.00		519.04	973	5,435.14
		F. C. MacDonald (Deputy)	Beaverton	20.00	per diem			
		R. B. Baxter	Port Hope	3,675.00		940.13	1,255	4,216.84
9	Lennox and Addington Frontenac Prince Edward	E. A. Gee	Lindsay	3,150.00		1,132.51	1,451	5,501.10
		O. A. Langley (f)	Peterborough	3,500.00		262.98	2,509	6,666.98
		W. R. Philp	do	3,500.00				
		T. Y. Wills	Belleville	4,000.00		555.58	5,053	14,549.38
		A. B. Collins (Deputy)	do	20.00	per diem			
		J. L. Lloyd	Northbrook	3,675.00		1,379.07	951	4,016.30
		J. B. Garvin	Kingston	3,800.00		379.60	3,812	10,550.93
		A. R. M. O'Connor	Ottawa	4,000.00		310.28	2,446	9,542.20
		W. K. McGregor (g)	Fembroke	4,000.00				
		T. M. J. Galligan	do	2,500.00		789.95	2,254	11,512.71
10	Renfrew Lanark Carleton	A. J. Fraser (Deputy)	Ottawa	2,400.00			1,385	
		J. C. Smith	do		3,000.00			
		D. C. Strike	Smiths Falls			633.96	1,564	5,530.57
		G. E. Jamieson (Deputy)	Ottawa	3,500.00	5,500.00		9,143	175.00
			Almonte	20.00	per diem			

(a) J. W. Morley appointed April 1st, 1946; Ian MacRae resigned.

(b) J. H. Campbell superannuated Nov. 6th, 1946; H. D. Hallett appointed Dec. 5th, 1946.

(c) T. H. Moorehead appointed Aug. 1st, 1946.

(d) T. S. Elmore appointed May 15th, 1946.

(e) A. H. Lightbourne appointed Aug. 1st, 1946.



## MAGISTRATES, PROVINCE OF ONTARIO, (Concl'd)

No. of Magisterial Dist.	Counties and Districts in Magisterial Districts	Names of Magistrates in Districts	Address	Rate of Salary Paid by Province	Rate of Salary Paid by Municipality	Traveling Expenses Paid by Province	Total Number of Cases	Total Fines and Fees Paid to Province
				\$ c.	\$ c.	\$ c.		\$ c.
11	Leeds and Grenville Dundas	G. A. Wright G. D. Loucks ( <i>Deputy</i> )	Brockville Kempville	3,150.00 20.00	per diem	339.94	2,746	11,981.45
12	Glengarry Prescott and Russell Stormont	P. C. Bergeron R. Labrosse J. S. Latchford ( <i>Deputy</i> )	Cornwall Vankleeck Hill Cornwall	3,675.00 3,675.00 20.00	per diem	6.21 1,103.95	1,425 814	5,566.99 4,965.61
13	Cochrane Temiskaming	S. Atkinson E. R. Tucker S. C. Platus ( <i>Deputy</i> )	Haileybury Cochrane Timmins	4,500.00 3,800.00 20.00	per diem	2,868.38 1,157.15	5,845 1,885	26,072.53 8,839.18
14	Nipissing Parry Sound (East Portion)	M. G. Gould	North Bay	3,000.00		947.28	2,934	10,167.79
15	Sudbury Manitoulin Parry Sound (West Portion)	E. C. Faer ( <i>Deputy</i> ) W. M. Cooper W. J. Golden A. D. Meldrum ( <i>h</i> ) F. C. Powell W. F. Woodliffe	Sudbury do Little Current Parry Sound do Sudbury	1,000.00 3,500.00 1,800.00 3,000.00 2,400.00 5,250.00		631.86 642.87 168.33 188.54	955 265 517 5,443	17,869.47 1,316.50 2,158.01 7,788.74
16	Algoma	W. J. Golden Jas. McEwen G. J. McArthur ( <i>Deputy</i> )	Espanola Sault Ste. Marie Blind River	3,000.00 2,500.00		907.38 550.93	270 1,913 434	1,223.00 6,106.32 4,156.90
17	Thunder Bay Kenora Patricia	C. D. LeMay W. H. Russell ( <i>Deputy</i> ) T. H. Wolfe	Fort William Port Arthur Kenora	4,200.00 3,150.00 3,675.00		338.07 654.51 1,981.16	2,480 3,791 2,651	14,873.45 19,633.83 9,130.64
18	Rainy River	H. L. Curso	Fort Frances	3,150.00		117.48	673	3,114.90
				TOTALS:		29,514.97	349,123	432,707.31

(f) O. A. Langley superannuated May 14th, 1946; W. R. Philp appointed 15th May, 1946.

(g) W. K. MacGregor returned to duty June 1st, 1946; Replacing T. M. J. Galligan.

(h) A. D. Meldrum superannuated April 3rd, 1946; F. C. Powell appointed July 1st, 1946.

Statement  
*respecting*  
JUVENILE COURTS

## JUVENILE COURTS AND OFFICERS, PROVINCE OF ONTARIO

The Juvenile Delinquents Act (1908 Canada) has been proclaimed and

Juvenile Courts established in the following areas:

COUNTY OR DISTRICT	ADDRESS	JUVENILE COURT JUDGE	PROBATION AND CHILDREN'S AID OFFICERS
Brant County.....	Brantford.....	Judge D. J. Cowan.....	J. P. Temple
Carleton County (including Ottawa)	Ottawa.....	A. J. Fraser J. P. Balharrie ( <i>Deputy</i> )	A. J. Fraser (Senior Probation Officer) M. Racette (Ass't. Probation Officer) E. D. Walsh (Ass't. Probation Officer)
Cochrane District.....	Cochrane.....	E. R. Tucker	D. C. Vancamp
Dufferin County.....	Orangeville.....	Judge W. T. Robb.....	Mrs. I. B. MacDonald
Essex County.....	Windsor.....	D. M. Brodie J. A. Hanrahan ( <i>Deputy</i> )	J. H. Dawson (Prot.) R. J. Bondy (R.C.)
Grey County.....	Owen Sound.....	E. C. Spereman	J. D. Adamson
Halton County.....	Georgetown.....	K. M. Langdon	G. F. Thompson
Haldimand County.....	Dunnville.....		Mrs. E. O'Brien
Huron County.....	Straford.....	A. F. Cook ( <i>Acting</i> )	H. T. Edwards
Kenora.....	Kenora.....	T. H. Wolfe	Wm. Doherty A. Sheridan J. G. Jenkins H. S. Johns E. Olson
Kent County.....	Chatham.....	I. B. Craig.....	F. R. Mills (Pro- bation Officer)
Lambton County.....	Sarnia.....	Judge M. A. Miller.....	Miss N. Julien (Clerk)
Lincoln County.....	St. Catharines.....	Judge J. G. S. Stanbury.....	L. S. Richardson
Middlesex County.....	London.....	D. B. Menzies	A. G. N. Bradshaw
Nipissing District.....	North Bay.....	J. H. McCurry	Ernest Majury
Norfolk County.....	Simcoe.....	Judge G. A. P. Brickenden	F. V. Miller
Northumberland and Durham.....	Cobourg.....	Judge J. C. M. German R. B. Baxter ( <i>Deputy</i> )	A. B. Finnie
Oshawa (City).....	Oshawa.....	F. S. Ebbs.....	Miss M. Hancock
Oxford.....	Woodstock.....	L. M. Ball.....	R. G. Clowes
Perth County.....	Stratford.....	A. F. Cook.....	Murdock Keith
Peterborough County.....	Peterborough.....	W. R. Philp.....	Miss R. A. D. Young
Port Colborne (Town).....	Niagara Falls.....	J. B. Hopkins	
Stormont, Dundas and Glengarry.....	Cornwall.....	P. C. Bergeron.....	Mrs. K. M. McBride
Prescott and Russell.....	Vankleek Hill.....	R. Labrosse	Jos. Lacasse
Sudbury.....	Sudbury.....	E. C. Facer.....	E. B. Paquette Miss E. E. McLeod (Clerk)
Temiskaming District.....	Haileybury.....	S. Atkinson	J. R. McCarthy
Thunder Bay.....	Fort William.....	B. J. McKittrick	Miss H. M. Heseltine
Toronto (City).....	Toronto.....	H. S. Mott R. Hossack J. A. Netterfield ( <i>Deputy</i> <i>Judge pro tem</i> , Juvenile and Family Court)	H. S. Mott & Staff
Waterloo County.....	Galt.....	H. R. Polson, <i>pro tem</i> .....	K. D. Kayler
Welland.....	Welland.....	Judge H. E. Fuller	Mrs. D. E. Young
Wentworth.....	Hamilton.....	H. A. Burbidge	J. H. Trusdale
Wellington.....	Guelph.....	J. McKay	Mrs. Edna L. Fairfield
York County.....	Toronto.....	C. L. Austen D. Webster	D. Coughlin J. A. Knowles

# Statement

*respecting*

DIVISION COURT CLERKS AND BAILIFFS



## DIVISION COURTS, ONTARIO

List of Clerks and Bailiffs, Their Post Office Address, Their County or District, Number of Court, Number of Cases and Gross Earnings

COUNTY OR DISTRICT	No. OF COURTS	POST OFFICE ADDRESS	No. OF CASES ENTERED	CLERK	GROSS EARNINGS	BAILIFF	GROSS EARNINGS
Algoma	1 2 3 6 7	Sault Ste. Marie Bruce Mines Thessalon Richard's Landing Blind River	456 8 15 (No rept) 43	P. E. Day Wm. White Thos. E. Hill J. C. Martin J. Carlyle	\$ 1,925.15 58.14 84.05 (No rept) 167.40	George L. Allan Wm. White ( <i>Act'g</i> ) John B. Hill J. H. Hicks	\$ 1,080.55 43.80 43.95 (No rept) 104.25
Brant	1 2 3 4 5	Brantford Paris St. George Burford Oakland Scotland	694 55 17 15 8	F. J. Calbeck J. B. Appleby G. F. Graves J. P. Fraser E. M. Edy	2,771.35 236.17 79.70 35.72 40.90	F. J. Calbeck R. E. Haire Alvin McIntyre J. P. Fraser L. Wilson	1,566.87 158.34 91.35 34.90 62.45
Bruce	1 2 3 4 5 7 8 11 12	Walkerton Teeswater Kincardine Pailey Port Elgin Southampton Tara Wiarton Tobermory Lucknow Chesley	43 14 20 3 25 16 23 21 18	A. J. Brown John Good E. A. Henry E. D. Elwes J. J. Chapman J. R. Van Dusen G. W. Taylor E. H. Agnew H. Willoughby	205.30 59.95 77.95 10.05 116.60 85.15 128.44 66.40 98.12	W. R. Binkley G. R. Symons W. R. Peter A. W. Travis N. Murray T. W. Strong S. R. Rouse D. A. S. Munn R. J. Moore John E. Beattie	108.65 54.45 49.50 12.80 32.30 26.70 64.10 116.39 28.10 51.45 54.45
Carleton	1 3 4 5 7	Ottawa (74 Sparks St.) Carp Galeeta North Gower Ottawa (48 Sparks St.)	2,762 3 4 11 1,315	Thos. W. O'Neil J. W. Humphries J. W. Dickson J. H. Taylor E. A. Mason	13,339.09 38.30 52.40 98.15 6,059.65	D. W. Wilson J. W. Humphries ( <i>Act'g</i> ) C. Biddood ( <i>Act'g temp</i> ) Thos. Harbison J. M. Hoey	8,214.25 38.25 51.70 114.70 3,497.05
Cochrane	1 2	Cochrane Timmins	72 933	J. L. deBlois E. H. Hill	238.70 3,501.60	J. L. deBlois H. W. Warren	324.10 534.78

	Matheson	25	John H. Cole	104.30	John H. Cole ( <i>Act'g temp</i> )	107.95
3	Kapuskasing	98	G. Desloges	413.19	G. Desloges	325.75
5	Hearst	40	Paul-Omer Brosseau	109.65	P. O. Brosseau ( <i>Act'g</i> )	105.80
6	Ansonville	97	W. J. Kenney	349.75	W. J. Kenney ( <i>Act'g temp</i> )	218.30
Dufferin						
1	Orangeville	43	W. C. Hopkins	206.85	W. R. Campbell	147.60
2	Shelburne	23	T. P. McFadden	77.20	Jos. Tindale	47.65
5	Grand Valley	10	Miss N. M. Foster ( <i>Act'g</i> )	98.37	C. A. Hodgson	36.20
Elgin						
1	Aylmer	253	E. C. Monteith	1,253.12	Edwin Lloyd	554.55
3	St. Thomas	532	F. R. Palmer	2,311.55	A. C. Schliehauf	1,068.90
4	Dutton	54	A. McCallum	286.87	A. McCallum ( <i>Act'g</i> )	250.99
E.sex						
2	Amherstburg	51	R. W. Kenyon	273.75	T. H. Renaud	161.40
3	Kingsville	18	J. E. Burrows	61.35	I. H. Lucas	56.05
5	Leamington	42	Wm. E. Selkirk	317.00	C. G. Baker	284.07
6	Belle River	23	Mrs. A. Wilkinson	116.90	Chas. E. Bayley	59.80
7	Windsor	830	L. A. Deziel	5,506.45	H. R. Johnston ( <i>Act'g</i> )	3,659.53
8	Essex	46	H. R. Johnston	210.05	F. E. Buchanan ( <i>Act'g</i> )	149.30
9	Comber	15	F. E. Buchanan	111.55		47.95
Frontenac						
1	Kingston	406	Miss G. L. Jenkin	1,667.31	H. C. Amey	1,186.09
4	Verona and Kingston	15	H. W. Asselstine	91.70	E. Goodberry	41.52
6	Sharbot Lake	29	George A. Allen	78.16	Wm. J. Tomlinson	63.90
Grey						
1	Owen Sound	293	Geo. A. Wakeford	1,465.03	Leonard Hall	677.10
2	Durham	28	P. Ramage	206.80	P. Ramage ( <i>Act'g temp</i> )	149.18
3	Meaford	78	Mrs. W. H. Chapple ( <i>Act'g</i> )	388.80	R. Patterson	237.15
4	Clarksburg	6	W. I. Field	46.50	M. J. Dillon	24.05
5	Flesherton	15	J. A. Richards	107.58	M. S. McLeod	100.55
6	Chatsworth	14	Allan Findlay	66.75	Allan Findlay ( <i>Act'g temp</i> )	58.35
7	Hanover	71	D. D. Brigham	257.50	R. P. Jones	198.55
8	Markdale	33	W. J. Sherring	92.15	G. S. Dundas	81.85
Haldimand						
1	Caledonia	8	Miss H. J. McGregor	50.65	C. H. Shea	53.85
2	Cayuga	21	Mrs. M. E. Humphrey	86.50	J. H. Young	79.80
3	Dunnville	54	Miss H. Melndoe	298.63	G. A. Nott	209.70
Haliburton						
1	Minden	9	E. A. Rogers	40.54	J. H. Graham	35.90
2	Haliburton	24	A. G. Schofield	77.85	A. G. Schofield	54.90
4	Tory Hill	7	A. E. Boyce	29.60	A. E. Boyce ( <i>Act'g temp</i> )	19.05

## DIVISION COURTS, ONTARIO (Cont'd)

COUNTY OR DISTRICT	No. OF COURTS	POST OFFICE ADDRESS	No. OF CASES ENTERED	CLERK	GROSS EARNINGS	BAILIFF	GROSS EARNINGS
					\$ c.		\$ c.
Huron	1	Milton	121	J. H. Chambers	469.65	A. Handy	234.55
	2	Oakville	54	E. C. Thompson	218.85	T. F. Grieve	264.15
	3	Georgetown	73	Wilfred Coles	234.63	Wilfred Coles	121.25
	4	Acon	98	C. D. Bull	285.86	C. D. Bull (Act'g temp)	165.45
	6	Burlington	143		566.76		281.52
Hastings	1	Belleville	634	G. M. Davison	2,655.65	Wm. Tice	1,315.10
	2	{Coe Hill St. Ola	13	J. F. Whitmore	195.70	C. E. Thompson (Act'g temp)	109.76
	4	Tweed	(No rep't)	A. C. Blakely	(No rep't)	Alfred Davis	247.80
	5	Stirling	5	J. E. O'Donnell	57.20	John N. Devolin	60.30
	7	Madoc	56	E. T. Naylor	274.10	Mrs. M. M. Babcooke	225.20
Court reopened June 1/47		Deseronto		Mrs. M. M. Babcooke			
	8	Frankford	30	W. N. Simmons	143.51	F. A. Ferguson	95.23
	9	Trenton	311	O. W. Pierce	1,148.31	O. W. Pierce	708.24
	10	Marmora	18	G. R. Hartley	150.40	M. J. O'Connor	113.35
	11	Maynooth	13	M. Flynn	80.05	Wm. Carswell	76.75
Huron	12	Bancroft	91	Balfour Vader	361.50	R. C. Robinson	342.93
	1	Goderich	104	J. N. Kemighan	399.75	J. H. Hays	280.70
	2	Seaforth	51	E. C. Chamberlain	237.60	J. M. Govenlock	166.95
	3	Clinton	13	H. T. Rance	85.95	N. Kennedy	62.55
	4	Brussels	17	A. A. Lamont	101.70	Geo. Evans (Act'g temp)	82.90
	5	Exeter	43	Geo. W. Lawson	185.03	F. E. Willis	129.80
	8	Wingham	20	F. A. Templeman (Act'g)	83.75	W. J. Brown	83.00
	9	Wroxeter	11	Thomas Brown	46.74	A. E. Gallaher	63.80
	10	Zurich	6	A. J. Kalbfleisch	55.00	W. Fritz	43.25
	11	Crediton	7	F. W. Morlock	49.90	Eli Lawson	65.10
Kenora	12	Blyth	10	Bernard Hall	79.89	A. W. P. Smith (Act'g temp)	22.00
	1	{Kenora Red Lake	50	L. D. MacCallum (Act'g)	198.45	Harry S. Murphy (Act'g)	93.80
	3	Dryden	14	J. E. Gibson	55.45	Geo. W. Aiken	53.80
	4	Stoux Lookout	24	J. E. Cole	83.75	Dan Wright (Act'g)	32.85
						M. H. Badger	57.00

Kent	1	Chatham	819	P. K. Morley	2,956.80	R. Thayer	2,097.33
	2	Ridgeway	41	H. P. Stennett	248.35	R. Priestley	214.50
	3	Dresden	46	H. E. Wells	208.35	Roy Smale	184.60
	4	Blenheim	86	W. Nudds	399.15	W. Nudds	376.80
	5	Wallaceburg	107	G. F. Glassford	505.50	Joe M. Hess	298.55
	6	{ Bothwell	30	I. A. MacLean	200.57		
	7	{ Thamesville					
Lambton		Tilbury	34	Mrs. H. G. Williams	194.00	G. H. Pavey	92.30
	1	Sarnia	646	J. J. Langan	2,493.70	L. M. Duncan	1,779.35
	2	Watford	11	C. A. Class	78.10	Robert Auld	63.10
	3	Florence	8	R. D. Bodkin	33.25	Wilfrid Lindsay	46.20
	5	Forest	9	A. H. Bannister	34.50	G. Karr	26.40
	6	Theford	4	F. C. Gibson	26.25	G. Sheppard	20.29
	8	Petrolia	55	Wm. C. Gould	234.35	J. A. Taylor	231.69
Lanark	9	Alvinston	12	Thos. Allison	60.50	Roy H. Croft	39.49
	1	Perth	36	J. H. Devlin	163.15	J. H. Devlin ( <i>Act'g</i> )	86.95
	2	Lanark	21	E. J. Tennant	70.60	J. T. Molyneux	83.10
	3	Carleton Place	58	W. H. Matthews	286.32	Robert White	176.00
	4	Smiths Falls	412	John A. Blackburn	1,289.95	J. H. Cullen	594.20
	5	Almonte	30	(Resigned)	152.25	(Resigned)	125.45
Leeds and Grenville	1	Brockville	658	H. H. Webb	2,363.35	J. D. Wetherell	1,433.15
	2	Prescott	86	F. B. Robinson	366.60	E. B. Rickey	235.90
	3	Gananoque	34	C. Sine	163.44	G. F. Whaley	150.20
	4	Kemptville	(No rept)	M. E. Waterson	(No rept)	B. F. Dangerfield	(No rept)
	5	Merrickville	10	M. G. Corbett	48.50	A. L. Telford	28.95
	6	Delta and Harlem	18	W. W. Phelps	71.75	H. W. Ineson	63.42
	7	Toledo and Newbliss	5	I. E. Lockwood	33.30	W. R. Pryce	41.40
	9	Athens	5	E. J. Purcell	30.46	E. J. Purcell ( <i>Act'g</i> )	39.75
	12	Mallorytown	21	G. G. Root	90.68	G. G. Root	63.60
Lennox and Addington	1	Napanee	56	E. J. Pollard	433.17	G. A. Johnston	243.40
	7	Tamworth	11	H. A. Reynolds	34.05	H. A. Reynolds ( <i>Act'g tp.</i> )	27.30
	8	{ Flinton	11	Howard Hasler	71.86		
	9	Cloyne, R.R. 1	2	C. P. Stein	12.35	M. A. Wood	67.49
		Denbigh				H. O. Fritsch	37.60
Lincoln	2	St. Catharines	687	E. L. Snyder	2,933.95	W. McClelland	1,897.79
	5	{ Grimsby	104	Byron A. Smith	526.25	J. K. Harstone	361.18
		{ Smithville				H. Gracey	104.46



## DIVISION COURTS, ONTARIO (Cont'd)

COUNTY OR DISTRICT	No. OF COURTS	POST OFFICE ADDRESS	No. OF CASES ENTERED	CLERK	GROSS EARNINGS	BAILIFF	GROSS EARNINGS
Manitoulin	1	Gore Bay	7	Wm. C. Fell	\$ 33.33	Wm. C. Fell	\$ c.
	2	Little Current	29	W. A. Sims	109.95	Roy Vanzant	27.10
	3	Manitowaning	(No rept)		(No rept)		73.35 (No rept)
Middlesex	1	London (Richmond Bldg.)	892	W. P. Simpson	3,653.28	A. E. Sherlock	1,950.60
	2	Parkhill	40	Alex G. Cameron	150.35	Alex G. Cameron	98.40
	3	Lucan	17	J. R. Murray	78.60	J. R. Murray ( <i>Act'g</i> )	40.90
	4	Delaware	11	G. W. Ashby	80.80	G. W. Ashby	95.45
	5	Glencoe	21	S. G. Humphries	111.65	S. G. Humphries	95.65
	6	Strathroy	34	C. Dennis	135.75	Ed. Upton	103.80
	7	Dorchester	12	H. A. McIntyre	93.15	H. A. McIntyre ( <i>Act'g</i> )	96.65
Muskoka	1	Bracebridge	53	D. T. Hodgson	213.85	H. J. Read	220.00
	2	Port Carling	22	J. B. Lindsell	83.80	W. E. Massey	Nil
	3	Gravenhurst	38	A. W. Plowright	233.10	( <i>Vacant</i> ) A. W. Plowright	98.75 182.65
Nipissing	1	Sturgeon Falls	50	Is. Rod. Vannier	203.85	J. O. Brossseau	183.31
	2	Mattawa	5	C. A. Fink	21.75	C. A. Fink ( <i>Act'g</i> )	23.35
	3	North Bay	224	J. J. Dennis	821.30	J. J. Dennis ( <i>Act'g temp</i> )	630.53
Norfolk	1	Simcoe	155	H. W. Jones	676.10	R. C. McMichael	599.65
	2	Waterford	16	J. E. Wright	79.29	R. C. McMichael	53.95
	4	Delhi	(No rept)	Miss M. G. Lawson	(No rept)	A. W. Eitel	(No rept)
	6	Port Rowan	73	A. A. Foy	330.19	A. A. Foy	236.80
	7	Fairground	6	C. S. Burger	49.06	C. S. Burger	44.15
	8	Port Dover	14	W. E. Wicker	68.76	W. E. Wicker	52.25
Northumberland and Durham	1	Bowmanville	27	C. W. B. Tait	129.75	E. Lunn ( <i>Act'g temp</i> )	144.72
	2	Newcastle	6	Miss I. M. Rinch	88.45	P. Williams	55.85
	3	Port Hope	76		315.60		166.70
		Cobourg	112	Mrs. M. Ewart	505.20	D. Ewart	310.60
	5						

Ontario	8	Brighton	44	E. C. Brown	121.75	Wm. C. Adams	158.00
	9	Warkworth	25	Wm. Grant Allen	94.75	Wm. Grant Allen	103.45
	10	Wooler	4	E. Nelson	24.40	W. J. Stacey	21.70
	11	Campbellford	107	J. M. Bygott	369.60	J. M. Bygott	178.95
Ontario	1	Whitby	169	Wm. K. Cooke (Act'g)	701.69	Wm. K. Cooke	597.35
	2	{Claremont	35	Thos. Gregg	157.85		
	3	{Balsam	35	Geo. R. Davey	201.76	Burnett Jamieson	151.60
		{Port Perry					
Oxford	4	{Greenbank	10	Geo. A. Linton	85.19	G. R. Till	127.64
	5	Uxbridge	5	S. F. Brandon	18.90	Geo. A. Linton	36.70
	6	Cannington	18	F. R. McMillan	82.95	W. F. Brandon (Act'g)	13.00
	8	Beaverton	784	R. B. Smith	2,988.94	F. R. McMillan (Act'g tp.)	63.65
Oxford	1	Oshawa	575	W. Chas. Orum	2,295.72	P. H. Jobb	1,451.12
	2	Woodstock	15	L. E. Peterson	99.45	F. L. Clarkson	1,224.01
	3	Drumbo	25	John A. McKay	100.00	John McVittie	76.75
	4	Embro	51	Frederick Snell	296.04	Edwin Collins	84.00
Parry Sound	5	Norwich	132	R. S. Clark	492.18	Frederick Snell	197.20
	6	Ingersoll	109	H. Berry	616.75	W. F. Markham	328.85
	7	Tillsonburg	21	C. J. Kaufman	97.05	Cyril Bowes	364.55
		Tavistock				J. Schipping	71.45
Peel	1	{Parry Sound	228	Wm. J. Rightmeyer (Act'g)	915.76	Thomas M. Horne	734.21
	4	{Dunchurch	41	Joseph Hilliar	227.14	R. Gibson	(No rept)
	6	Burks Falls	12	L. G. Phillips	45.80	W. J. Maynard	224.50
	7	Powassan	11	F. W. Hosking	53.75	L. G. Phillips (Act'g comp)	30.05
Peel	1	South River	39	T. W. Thomson	256.70	James C. Carter (Act'g tp.)	65.75
	2	Brampton	55	D. E. Rowbotham	414.60	C. A. Firman	229.95
	3	Caledon	6	Douglas Pattullo	31.00	K. B. Barnstaple	369.45
						George Giles	100.50
Perth	1	Stratford	440	James Stewart	1,384.16	D. W. Forbes	672.48
	2	Mitchell	31	J. T. Levy	201.88	Z. McCallum	195.40
	3	St. Marys	59	A. A. Donnell	292.00	J. C. Billings	179.65
	5	Milverton	18	J. Edgar Weir	81.55	Isaac Kipfer	69.70
Peterborough	6	Listowel	82	Miss Olive I. Heibin	430.60	R. F. Youn	246.70
	1	Peterborough	524	F. D. M. Hammond	2,933.54	W. J. G. McNabb	1,833.24
	2	Norwood	21	J. J. Stewart	133.79	John Marks	187.85

## DIVISION COURTS, ONTARIO (Cont'd)

COUNTY OR DISTRICT	No. OF COURTS	POST OFFICE ADDRESS	No. OF CASES ENTERED	CLERK	GROSS EARNINGS	BAILIFF	GROSS EARNINGS
					\$ c.		\$ c.
Prescott & Russell	2	Vankleek Hill	20	R. W. Morrison	69.40	Raoul Martin	65.30
	4	Plantagenet	8	F. Lapensee	43.80	U. Chartrand	26.30
	5	Cumberland	8	John McMillan	52.95	John McMillan ( <i>Act'g</i> )	76.90
	6	Embrun	24	H. G. Roy	96.84	H. Bordeaux	46.75
	7	Hawkesbury	85	Mrs. M. A. B. Roy	417.60	J. H. Gelineau	283.82
	8	{Fournier	14	Edgar Keough	58.16		
		{St. Bernardin, R.R. 2					
	9	{Lefavre	24	J. D. Preseault	79.45	Ira Gates	89.12
		{Alfred				L. Lamarche	46.40
	10	Rockland	16	Lucien Regnier	115.80	A. Therrien	128.40
	11	{Casselman	8	J. L. Quesnel	53.75	A. L. MacDonald	45.00
		{Limoges					
Prince Edward	1	Pictou	54	H. R. Way	351.83	H. J. Ringer	279.40
	5	Wellington	34	A. E. Marvin	186.69	A. E. Marvin	194.35
Rainy River	1	Fort Frances	48	Mrs. C. E. Hollands	219.45	Mrs. C. E. Hollands ( <i>Act'g</i> )	129.60
	2	Eno	(No rept)	E. T. McComb	(No rept)	(No rept)	(No rept)
	3	Rainy River	22	D. A. McQuarrie ( <i>Act'g tp.</i> )	93.75	D. A. McQuarrie	65.65
Renfrew	1	Pembroke	181	Arthur Collins	811.70	A. E. Storie	474.40
	2	Beachburg	2	James Bennie	10.71	J. H. Valliant ( <i>Act'g</i> )	20.30
	3	Renfrew	187	A. J. Devine	644.75	J. J. McNulty	466.84
	4	Arnprior	43	J. W. C. Tierney	312.07	A. S. McLaren	108.95
	5	Eganville	17	L. B. O'Reilly	58.15	L. B. O'Reilly	71.40
	6	Golden	13	H. G. McGinn	49.58	W. J. McKay	42.35
	7	Killaloe	27	P. J. Harrington	134.77	W. O'Kum	245.65
Simcoe	1	Barrie	86	Wm. M. Dinwoody	687.06	Wm. M. Dinwoody	279.98
	2	Bradford	14	C. W. Jackson ( <i>Act'g temp</i> )	43.65	C. W. Jackson ( <i>Act'g temp</i> )	42.10
	3	Beeton	12	Wm. S. Robinson	80.40	D. W. Watson	47.00
	4	Collingwood	62	W. F. Toner	334.84	Hugh McLean	192.05
	5	Craighurst	4	T. C. Craig	33.45	T. C. Craig ( <i>Act'g</i> )	31.70

Stormont, Dundas and Glegarry	6	Orillia	351	A. E. Smith	1,425.50	W. D. Crow	730.85
	7	New Lowell	15	Mrs. R. Carter ( <i>Act'g</i> )	101.15	J. H. Prosser	33.95
	8	Alliston	24	D. J. Gallagher	183.86	G. Armstrong ( <i>Act'g</i> )	125.00
	10	Coldwater	39	C. M. Robinson	149.60	W. E. Jackman	63.75
	11	Mildred	144	James A. Clarkson	716.15	James A. Clarkson	423.23
	2	Alexandria Lancaster	45	P. J. Morris	183.05	P. J. Morris ( <i>Act'g</i> ) Francois Major	106.20 121.39
	3	Cornwall	489	J. F. Denney	2,053.68	A. D. Snetsinger	1,253.75
	4	Wales	8	A. A. Morrison	63.50	E. MacDougall	4.75
	5	Morrisburg	32	M. A. Campbell	174.35	R. L. Duval	125.55
	6	Iroquois	68	W. E. Fitzsimmons	210.00	R. Mustard	155.30
	7	Hallville	12	Edward Bush	92.34	Ivan Christie	80.65
	8	Mountain, R.R. 2	21	A. M. McDougall	79.19	Wm. Legault ( <i>Act'g temp</i> )	50.65
	10	Berwick	35	Keith Nash	221.55	D. A. McDonald	224.39
	11	Chesterville	4	M. MacLeod	10.25	Wm. Legault	43.60
	12	Moose Creek	15	Mrs. J. A. (Jean) Munroe	85.65	C. H. MacKenzie	70.55
	1	Maxville					
Sudbury	1	Sudbury	1,343	D. Cameron	4,837.85	J. C. Gravelle	3,008.15
	2	Foleyet	(No rept)		(No rept)	F. M. Lincker	Nil
	3	Webbwood	9	R. H. Wilson	51.05	R. H. Wilson ( <i>Act'g</i> )	(no rept)
	4	Warren				D. Geroux	10.20
	5	Noelville	78	Mrs. M. E. Morris	208.30	P. E. Scott	89.10
		Chapleau					
Temiskaming	1	Hallebury	53	H. R. Jenkins	239.93	H. E. Blackwall	190.20
	2	New Liskeard	53	J. H. Brown	226.85	Thos. R. Mills ( <i>Act'g</i> )	159.90
	3	Englehart	8	A. J. Catt	69.75	Wm. McPherson	59.50
	4	Kirkland Lake	396	W. J. Cook	1,533.24	E. C. Carmichael	843.40
	5	Larder Lake	72	Mrs. A. M. Mageau	568.00	E. L. Paul	489.75
Thunder Bay	1	Port Arthur (Court House)	223	Miss P. C. Mitchell	1,039.65	John A. Richmond	797.20
	2	Nipigon	9	W. L. Wade	60.65	W. L. Wade ( <i>Act'g temp</i> )	73.60
	3	Fort William	772	Thomas Dow	2,900.40	John Scott	1,870.81
	4	Schreiber	28	C. C. Skinner	171.90	C. C. Skinner	121.16
	5	Geraldton	67	Leonard Dreeny	247.20	(Resigned)	91.05
		Horner's				G. H. Kival	14.60



## DIVISION COURTS, ONTARIO (Concl'd)

COUNTY OR DISTRICT	No. OF COURTS	POST OFFICE ADDRESS	No. OF CASES ENTERED	CLERK	GROSS EARNINGS	BAILIFF	GROSS EARNINGS
					\$ c.		\$ c.
Victoria	2 5	Fenelon Falls Lindsay	16 160	J. J. Stewart Wesley Mason	57.25 606.87	D. A. Armstrong W. J. Hussey	80.85 394.20
Waterloo	1 2 3 4 5 6	Kitchener Preston Galt New Hamburg Linwood Conestogo	973 212 271 37 10 6	Carl E. Pequegnat H. G. Marshall Mrs. H. G. Clarke L. W. Ritz John Heimbuch O. A. Huehn	3,964.90 877.45 1,024.00 146.75 34.25 30.90	John R. Smithson H. G. Marshall ( <i>Act'g tp.</i> ) Mrs. H. G. Clarke ( <i>Ac. tp.</i> ) E. F. Scherer Elmer Schott H. Holle	2,157.20 500.30 517.65 141.07 28.20 38.90
Welland	1 3 4 5 6	Welland Port Erie, North Niagara Falls Thorold Port Colborne	474 100 875 69 262	H. J. Reilly Geo. E. Brent E. M. McMurray D. J. C. Munro A. P. McAvoy	2,636.10 485.60 3,326.05 306.29 1,081.10	W. E. Taylor N. J. Clayton A. H. Collett M. Petrick Fred Davies ( <i>Act'g temp.</i> )	1,247.70 376.55 1,809.85 238.72 629.80
Wellington	1 2 4 5 7 8 10 11	Guelph Puslinch Fergus Erin Drayton Arthur Harriston Mount Forest	790 6 54 13 16 29 20 66	R. D. Stewart W. A. Nicoll J. F. Beattie Ewart Speirs B. R. Amy G. F. Smith C. L. Eedy B. R. Morrison	3,073.10 47.00 247.05 72.40 93.90 146.15 157.05 238.50	C. L. Kearns W. A. Nicoll J. F. Beattie ( <i>Act'g</i> ) Ewart Speirs M. S. Kelly W. R. B. Tindale M. Neil B. R. Morrison	1,417.26 57.45 134.30 37.60 84.13 82.50 114.10 124.90
Wentworth	1 2 3 4 9	Hamilton (49 Main St. E.) Dundas Waterdown Lynden Hamilton (Cl. House)	1,217 56 64 16 1,334	Miss K. M. White J. A. Dickson M. Williamson A. R. Mannen R. C. Gardner	5,477.85 253.69 363.70 156.30 5,167.55	A. B. Doughy Perry Rolfe A. J. Lovejoy Perry Rolfe E. J. Kelly	3,038.77 240.95 46.25 102.45 2,488.75

York		Toronto (City Hall)	3,416	Miss F. M. Flanagan	17,109.75	(C. H. Evans (600 Bay St.) { F. F. Fowke (430 Bay St.)	5,528.44 5,226.86
1							
2		Markham	29	A. P. Graham	152.32	E. Wurm	136.75
3		Richmond Hill	52	J. R. Herrington	202.55	L. E. Clement	281.70
4		Newmarket	78	F. S. Thompson	301.10	G. W. Curtis	224.60
5		Sutton	12	M. O. Tremayne	99.55	Wm. Burke	80.80
6		Aurora	34	W. H. Taylor	186.45	H. E. Teasdale	155.90
7		Woodbridge	20	C. F. Lewis	67.80	C. F. Lewis	59.35
8		W. Toronto (2881 Dundas St. W.)	1,882	J. C. McFarlane	10,259.40	W. T. Bailey	7,503.08
9		Birch Cliff (299 Main St., Toronto)	2,251	W. T. Kenny	8,087.03	A. O. Shingler	4,892.41
11		New Toronto (238 Lake Shore Rd., Mimico)	83	George D. Thomas	1,071.10	George D. Thomas	494.03



## Appointments



## APPOINTMENTS

SHERIFFS, LOCAL REGISTRARS, DEPUTY REGISTRARS, COUNTY  
AND DISTRICT COURT CLERKS AND SURROGATE REGISTRARS

- Mary Irene Crozier Samwell, of Kingston, Ontario, to be Registrar of the Surrogate Court in and for the County of Frontenac.—*Gazette, 4th May, 1946.*
- Marie Jose Jacoba Smits, to be Deputy Local Registrar of the Supreme Court, Deputy Registrar of the Surrogate Court and Deputy Clerk of the District Court in and for the District of Rainy River.—*Gazette, 4th May, 1946.*
- Ernest A. Johnson, of L'Orignal, to be Sheriff, Local Registrar of the Supreme Court, Clerk of the County Court and Registrar of the Surrogate Court in and for the United Counties of Prescott and Russell.—*Gazette, 1st June, 1946.*
- Francis Joseph Donahue, to be Sheriff in and for the District of Cochrane.—*Gazette, 29th June, 1946.*
- Francis Joseph Donahue, of Cochrane, Ontario, to be Deputy Local Registrar of the Supreme Court, Deputy Registrar of the Surrogate Court and Deputy Clerk of the District Court in and for the District of Cochrane.—*Gazette, 24th Aug., 1946.*
- Alfred Arnold Bishop, of Norwich, Ontario, to be Sheriff, Local Registrar of the Supreme Court, Clerk of the County Court and Registrar of the Surrogate Court in and for the County of Oxford.—*Gazette, 28th Sept., 1946.*
- William H. Gibson, of Pembroke, to be Deputy Local Registrar of the Supreme Court, Deputy Clerk of the County Court and Deputy Registrar of the Surrogate Court in and for the County of Renfrew.—*Gazette, 28th Sept., 1946.*
- Mary Margaret McCulloch, of Peterborough, to be Deputy Local Registrar of the Supreme Court, Deputy Registrar of the Surrogate Court and Deputy Clerk of the County Court of Peterborough.—*Gazette, 23rd Nov., 1946.*
- Russell Hilton Beattie, London, Ontario, to be Sheriff in and for the County of Middlesex.—*Gazette, 30th Nov., 1946.*
- Wm. J. Robertson, Milton, appointed Sheriff, Local Registrar, etc., for the County of Halton by Order-in-Council effective 1st Feb., 1946.
- W. C. Fell, Gore Bay, appointed Sheriff, Local Registrar, etc., for the District of Manitoulin by Order-in-Council effective 1st Feb., 1946.
- A. E. Sherman, Brampton, appointed Sheriff, County of Peel, by Order-in-Council effective 15th Feb., 1946.
- L. H. Morgan, Stratford, appointed Sheriff, Local Registrar, etc., for the County of Perth by Order in Council effective 1st Feb., 1946.
- H. J. Colliver, Picton, appointed Sheriff and Local Registrar, etc., for the County of Prince Edward by Order-in-Council effective 1st, Jan., 1946.
- George D. Banting, Barrie, appointed Surrogate Registrar for the County of Simcoe by Order-in-Council effective 1st Feb., 1946.
- J. H. Kennedy, Toronto, appointed County Court Clerk for County of York by Order-in-Council effective 1st Aug., 1946.

## CROWN ATTORNEYS AND CLERKS OF THE PEACE

William Howard Walter, Barrister-at-Law, of New Liskeard, to be Crown Attorney and Clerk of the Peace in and for the District of Temiskaming.—*Gazette*, 24 Aug., 1946.

Alex C. Hall, Whitby, appointed Crown Attorney and Clerk of the Peace for the County of Ontario by Order-in-Council effective 1st Feb., 1946.

Alex G. Burbidge, Parry Sound, appointed Crown Attorney and Clerk of the Peace for the District of Parry Sound by Order-in-Council effective 1st July, 1946.

## LOCAL MASTERS, S.C.O., COUNTY AND SURROGATE JUDGES

Mr. W. R. Philp, Magistrate of Peterborough, to be Local Master of the Supreme Court in and for the County of Peterborough.—*Gazette*, 17th Aug., 1946.

Judge A. J. Gordon, Windsor, appointed Surrogate Judge for County of Essex, effective 26th Nov., 1946.

J. C. Anderson, Belleville, appointed Surrogate Judge for County of Hastings, effective 28th Nov., 1946.

John B. Robinson, Haileybury, appointed Surrogate Judge and Local Master for District of Temiskaming, effective 17th May, 1946.

Allan C. Bell, Windsor, appointed Local Master by Order-in-Council, effective 1st Feb., 1946.

## MAGISTRATES AND DEPUTY MAGISTRATES

Harry Burville, of the Hamilton City Police, Hamilton, Ontario, to be a Deputy Magistrate (and also a Deputy Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario, for a period of six months.—*Gazette*, 26th Jan., 1946.

James Wilson Morley, K.C., of Exeter, Ontario, to be a Magistrate (and also a Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette*, 20th Apr., 1946.

William Russell Philp, Barrister-at-Law, Peterborough, Ontario, to be Magistrate (and also a Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette*, 4th May, 1946.

Thomas Spaven Elmore, K.C., of Toronto, to be a Magistrate (and also a Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette*, 25th May, 1946.

Alexander Harvey Lightbourn, Barrister-at-Law, of Oakville, Ontario, to be Deputy Magistrate (and also a Deputy Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette*, 17th Aug., 1946.

- K. M. Langdon, Deputy Magistrate of Georgetown, to be a Magistrate (and also a Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette, 24th Aug., 1946.*
- Thomas Henry Moorehead, of Brampton, Ontario, to be a Deputy Magistrate (and also a Deputy Police Magistrate within the meaning of the Criminal Code) for every Municipality and all Municipalities and all territory without Municipal organization within the Province of Ontario.—*Gazette, 24th Aug., 1946.*
- Harley D. Hallet, St. Catharines, to be Deputy Magistrate (and also a Deputy Police Magistrate).—*Gazette, 21st Dec., 1946.*
- A. R. M. O'Connor, Ottawa, appointed a Magistrate by Order-in-Council effective January 1, 1946.
- F. C. Powell, Parry Sound, appointed a Magistrate by Order-in-Council effective July 1, 1946.

#### JUVENILE COURT JUDGES AND PROBATION OFFICERS

- Daniel Coughlan, Probation Officer of the Juvenile Court for the County of Wellington, to be Deputy Judge of the said Juvenile Court in and for the said County of Wellington. —*Gazette, 28th Sept., 1946.*
- W. R. Philp, Peterborough, appointed Juvenile Court Judge July 30, 1946.
- K. M. Langdon, Georgetown, appointed Juvenile Court Judge August 29, 1946.
- John F. Ross, Guelph, appointed Judge Juvenile Court July 4, 1946.
- Judge D. J. Cowan, Brantford, appointed Judge of Juvenile Court, County of Wellington, 7th Nov., 1946, Judge Ross having died.

#### LOCAL MASTERS OF TITLES AND REGISTRARS OF DEEDS

- Talmage Ross Gray, of Lynn, Ontario, to be Registrar of Deeds in and for the Registry Division of the County of Leeds.—*Gazette, 26th Jan., 1946.*
- Harold F. May, of Cayuga, Ontario, to be Registrar of Deeds in and for the Registry Division of the County of Handimand.—*Gazette, 26th Jan., 1946.*
- John Grenville Langstaff, of Kemptville, Ontario, to be Registrar of Deeds in and for the Registry Division of the County of Grenville.—*Gazette, 4th May, 1946.*
- Major John Bell Morrison, of Fergus, Ontario, to be Registrar of Deeds in and for the Registry Divisions of South and Centre Wellington.—*Gazette, 25th May, 1946.*
- John Norman Fletcher Gillespie, of Fort William, Ontario, to be Registrar of Deeds in and for the Registry Division of Fort William.—*Gazette, 17th Aug., 1946.*
- William Irving Hearst, one of His Majesty's Counsel learned in the law, of York Mills, Ontario, to be Registrar of Deeds in and for the Registry Divisions of East and West York.—*Gazette, 24th Aug., 1946.*

Marian May Ley, of Port Arthur, Ontario, to be Deputy, pro tempore, of the Local Master of Titles in and for the Registry Division of Port Arthur, during the absence on vacation of the Local Master of Titles.—*Gazette, 28th Sept., 1946.*

W. C. Fell, Gore Bay, appointed Registrar of Deeds and Local Master of Titles for District of Manitoulin, effective 1st Feb., 1946.

Stuart Beatty, Brampton, appointed Registrar of Deeds for County of Peel, effective 15th Feb., 1946.

Harold L. Bechill, Glencoe, appointed Registrar of Deeds for Middlesex West by Order-in-Council, effective 1st Dec., 1946.

#### CORONERS

Dr. Thomas Edward Flommerfelt of the City of Toronto, to be an Associate Coroner in and for the City of Toronto.—*Gazette, 20th Apr., 1946.*

Dr. Archibald Fleming McIntyre of Grimsby, to be a Coroner in and for the County of Lincoln.—*Gazette, 20th Apr., 1946.*

Dr. Fred Allan Vokes, of Cayuga, Ontario, to be a Coroner in and for the County of Haldimand,—*Gazette 25th May, 1946.*

Dr. Norman William McQuay, of Brechin, Ontario, to be a Coroner in and for the County of Ontario.—*Gazette, 28th Sept., 1946.*

Dr. Ernest Laurence Wrathall, of Port Hope, to be a Coroner in and for the United Counties of Northumberland and Durham.—*Gazette, 28th Sept., 1946 .*

Dr. Charles Rogers Marcellus, of Iroquois, Ontario, to be a Coroner in and for the United Counties of Stormont, Dundas and Glengarry.—*Gazette, 23rd Nov., 1946.*

#### DIVISION COURT CLERKS AND BAILIFFS

Joseph McEnery, of Kirkfield, to be Bailiff of the Seventh Division Court of the County of Victoria.—*Gazette, 5th Jan., 1946.*

Elmer Schott, Bamberg, to be Bailiff of the Fifth Division Court of the County of Waterloo, at Linwood, in the room and stead of Mr. Simon P. Friedmann, resigned.—*Gazette, 5th Jan., 1946.*

Wesley Mason, of Lindsay, Ontario, to be Clerk of the Fifth Division Court of the County of Victoria.—*Gazette, 26th Jan., 1946.*

John Robertson Smithson, of Kitchener, Ontario, to be Bailiff of the First Division Court of the County of Waterloo.—*Gazette, 26th Jan., 1946.*

Francis Edward Buchanan, of R.R. No. 1, Comber, Ontario, to be Clerk and Acting Bailiff of the Ninth Division Court of the County of Essex.—*Gazette, 26th Jan., 1946.*

Joseph Howard Mailloux, of Tilbury, Ontario, to be Bailiff of the Seventh Division Court of the County of Kent.—*Gazette, 26th Jan., 1946.*

George W. Ashby, of Delaware, Ontario, to be Clerk of the Fourth Division Court of the County of Middlesex in the room and stead of Mr. J. H. Matthews, deceased.—*Gazette 2nd Mar., 1946.*

William James Cook, Kirkland Lake, Ontario, to be Clerk of the Fourth Division Court of the District of Temiskaming—*Gazette, 2nd Mar., 1946.*



- William Joseph George McNabb, of Peterborough, Ontario, to be Bailiff of the First Division Court of the County of Peterborough in the room and stead of Mr. Nagle E. Phelan, deceased.—*Gazette, 2nd Mar., 1946.*
- William Clive Fell, of Gore Bay, Ontario, to be Clerk and Bailiff of the First Division Court of the District of Manitoulin.—*Gazette, 16th Mar., 1946.*
- Ross Charles Stuart, of Eganville, Ontario, to be Clerk and Bailiff of the Fifth Division Court of the County of Renfrew.—*Gazette, 16th Mar., 1946.*
- Norman John Clayton, of Fort Erie North, Ontario, to be Bailiff of the Third Division Court of the County of Welland.—*Gazette, 30th Mar., 1946.*
- William John Hussey, of Lindsay, Ontario, to be Bailiff of the Fifth Division Court of the County of Victoria.—*Gazette, 30th Mar., 1946.*
- Charles H. Kivell, of Hornepayne, Ontario, to be Bailiff of the Fifth Division Court of the District of Thunder Bay at Hornepayne.—*Gazette, 30th Mar., 1946.*
- Leonard Hall, of Owen Sound, Ontario, to be Bailiff of the First Division Court of the County of Grey in the room and stead of Mr. Herbert G. Foot, deceased.—*Gazette, 6th Apr., 1946.*
- Janet Agnes (Jean) Munroe, of Maxville, Ontario, to be Clerk of the Twelfth Division Court of the United Counties of Stormont, Dundas and Glengarry.—*Gazette, 6th Apr., 1946.*
- William Edward Rathwell, of Owen Sound, Ontario, to be Clerk of the First Division Court of the County of Grey in the room and stead of Mr. Herbert G. Foot, deceased.—*Gazette, 6th Apr., 1946.*
- Dougald Angus Armstrong, of Fenelon Falls, to be Bailiff of the Second Division Court of the County of Victoria.—*Gazette, 13th Apr., 1946.*
- George Cecil Kellam, of R.R. No. 4, Simcoe, to be Clerk and Bailiff of the Third Division Court of the County of Norfolk at Teeterville.—*Gazette, 13th Apr., 1946.*
- Robert C. McMichael, of R.R. No. 3, Waterford, to be Bailiff of the First Division Court of the County of Norfolk.—*Gazette, 13th Apr., 1946.*
- Joseph Curtis Billings, of St. Marys, Ontario, to be Bailiff of the Third Division Court of the County of Perth.—*Gazette, 20th Apr., 1946.*
- Thomas Wilson O'Neil, of Ottawa, Ontario, to be Clerk of the First Division Court of the County of Carleton.—*Gazette, 11th May, 1946.*
- Edgar Allen Rogers, of Minden, Ontario, to be Clerk of the First Division Court of the County of Haliburton.—*Gazette, 11th May, 1946.*
- Philip Williams, of Newcastle, Ontario, to be Bailiff of the Second Division Court of the United Counties of Northumberland and Durham.—*Gazette, 11th May, 1946.*
- Kenneth Bruce Barnstaple, of Cooksville, to be Bailiff of the Second Division Court of the County of Peel.—*Gazette, 1st June, 1946.*
- Leonard Presley, of Riceville, to be Clerk of the Eighth Division Court of the United Counties of Prescott and Russell, at Fournier.—*Gazette, 1st June, 1946.*

- George Alexander Wakeford, of Owen Sound, to be Clerk of the First Division Court of the County of Grey.—*Gazette, 1st June, 1946.*
- George Armstrong Allen, of Sharbot Lake, to be Clerk of the Sixth Division Court of the County of Frontenac.—*Gazette, 29th June, 1946.*
- Edwin Lloyd, of Aylmer, to be Bailiff of the First Division Court of the County of Elgin.—*Gazette, 27th July, 1946.*
- Burt R. Morrison, of Mount Forest, to be Clerk and Bailiff of the Eleventh Division Court of the County of Wellington.—*Gazette, 27th July, 1946.*
- John Evan Burrows, of P. O. Box Number 539, Kingsville, Ontario, to be Clerk of the Third Division Court of the County of Essex.—*Gazette, 24th Aug., 1946.*
- Florence May Flanagan, of Toronto, Ontario, to be Clerk of the First Division Court of the County of York, at the City Hall, Toronto.—*Gazette, 24th Aug., 1946.*
- Russell Wilfred Morrison, of Mill Street, Vankleek Hill, Ontario, to be Clerk of the Second Division Court of the United Counties of Prescott and Russell.—*Gazette, 24th Aug., 1946.*
- James Henry Prosser, of New Lowell, Ontario, to be Bailiff of the Seventh Division Court of the County of Simcoe.—*Gazette, 14th Sept., 1946.*
- Walter John Sherring, of Markdale, Ontario, to be Clerk of the Eighth Division Court of the County of Grey.—*Gazette, 26th Oct., 1946.*
- Herbert Wilson Warren, of Timmins, Ontario, to be Bailiff of the Second Division Court of the District of Cochrane.—*Gazette, 26th Oct., 1946.*
- Ernest Lloyd Snyder, of St. Catharines, to be Clerk of the Second Division Court of the County of Lincoln.—*Gazette, 21st Dec., 1946.*



# INDEX

## APPOINTMENTS

	PAGE
Appointments—List of .....	60-64

## CROWN ATTORNEYS AND CLERKS OF THE PEACE

Financial Statement .....	14-30
Commuted Crown Attorneys .....	32

## DIVISION COURT CLERKS AND BAILIFFS

Financial Statement and List of Officers .....	48-57
--	-------

## JUVENILE COURTS

List of Juvenile Courts and Officers.....	46
---	----

## LOCAL AND SURROGATE REGISTRARS, COUNTY AND DISTRICT COURT CLERKS

Financial Statement .....	14-30
---------------------------	-------

## LOCAL MASTERS, S.C.O.

Financial Statement .....	14-30
---------------------------	-------

## LOCAL MASTERS OF TITLES AND REGISTRARS OF DEEDS

Financial Statement .....	34-39
---------------------------	-------

## MAGISTRATES

Financial Statement .....	42-44
---------------------------	-------

## SHERIFFS

Financial Statement .....	14-30
---------------------------	-------



**REPORT**  
*of the*  
**INSPECTOR OF LEGAL  
OFFICES**

**ONTARIO**

**1946**

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER NO. 5, 1947



ONTARIO

TORONTO

Printed and Published by Baptist Johnston,  
Printer to the King's Most Excellent Majesty

1947





# SIXTIETH ANNUAL REPORT

OF THE

## Niagara Parks Commission

1946

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 6, 1947



ONTARIO

TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1947





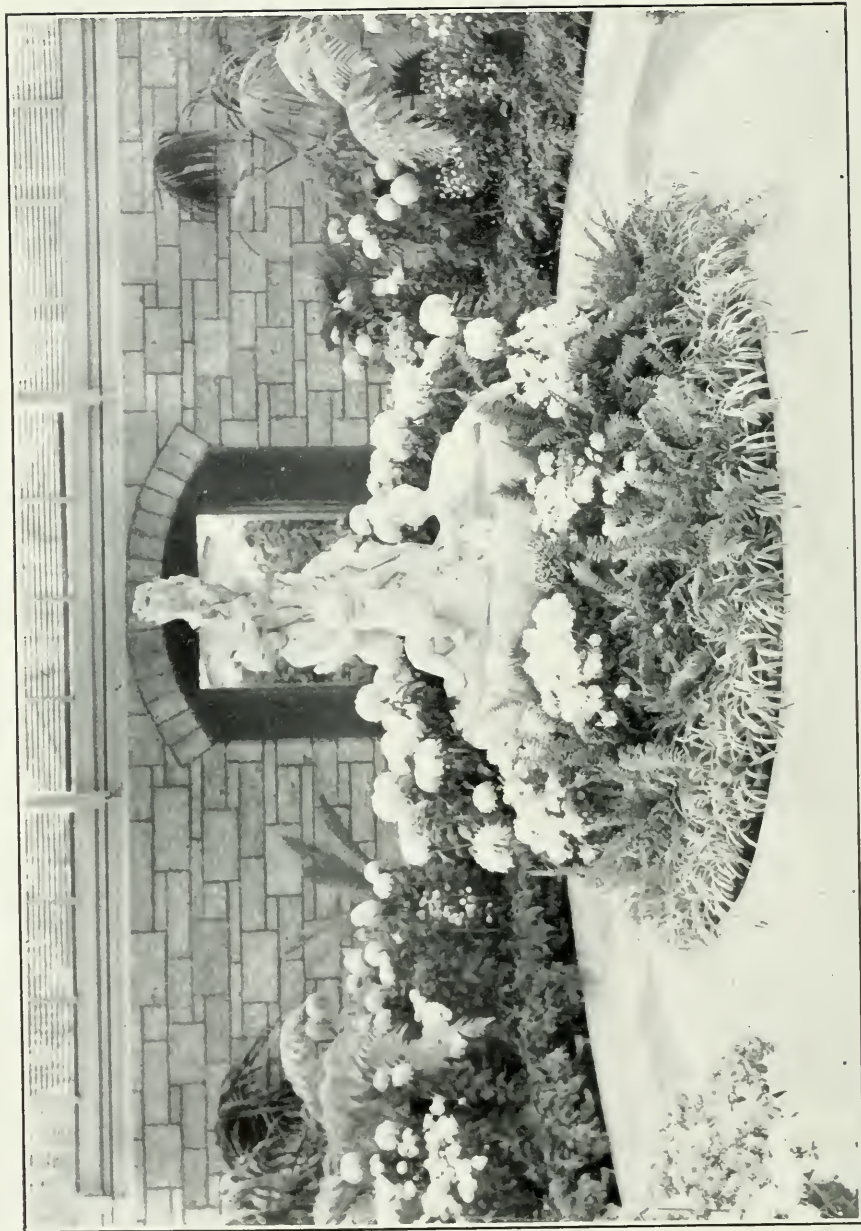
## THE NIAGARA PARKS COMMISSION

---

HON. CHARLES DALEY, Chairman, Toronto.  
FRED M. CAIRNS, Vice-Chairman, Niagara Falls.  
WM. B. ROLLASON, St. Catharines.  
HAROLD G. FOX, K.C., Ph.D., St. Catharines.  
T. H. LEWIS, Welland.  
T. F. FORESTELL, K.C., Fort Erie.  
CECIL SECORD, Grantham Township.  
GEORGE R. INGLIS, Niagara Falls.

---

GENERAL MANAGER AND SECRETARY  
MAXIM T. GRAY, O.L.S., Fort Erie.



Fountain at New Greenhouse

# SIXTIETH ANNUAL REPORT

## OF THE

# NIAGARA PARKS COMMISSION

TO THE HONOURABLE RAY LAWSON, O.B.E.,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The Niagara Parks Commission begs to submit for the information of the Ontario Legislature, the Sixtieth Annual Report covering the fiscal year ending October 31, 1946.

There was no change in the personnel of the Commission during the above period. The Commission continued under the chairmanship of the Honourable Charles Daley, Minister of Labour for the Province of Ontario.

Commissioner George R. Inglis was re-elected as mayor of the City of Niagara Falls for the year 1946, and Commissioner Secord completed in December, 1945, his year's term as warden of Lincoln County. These items are entered as a matter of record in the minutes of the Commission.

The fiscal year under review in this report is the first complete year clear of travel restrictions and gasoline restrictions since 1939. This was reflected in Niagara Parks by a substantial increase in the number of visitors to the Park, with a corresponding increase in the Park revenues from the various stores, restaurants and scenic attractions, which are operated directly by your Commission. You will note from a comparison of the attached financial statement with previous statements that gross revenues were higher in this fiscal year than in any other year in the history of the Commission. The greatest percentage of increase in revenues occurred at the Park Restaurant. Facilities for serving meals to the public were vastly improved at this point, a year ago. Then again the bus companies operating from Buffalo brought in a greater number of visitors, originating generally from Detroit and arriving in Buffalo via the lake steamers. The taxicab business to the Park, from the United States side of the border, also flourished. From all indications, it is anticipated that this increased influx of tourists will be maintained during the 1947 season.

In this connection, it might be mentioned that your Commission carried on, during the year, a normal amount of publicity work, in order to induce people, from far and near, to visit the Park. This was accomplished by the issuing of Park booklets and folders to visitors, and by press releases. A quantity of the Park booklets and folders are sent, from time to time, to different points in the United States and Canada. Quantities of Park literature go out, consistently, in collaboration with the Department of Travel and Publicity of the Province.

The coloured film of the Park was shown, during the year, to various audiences in the United States and Canada. In connection with the Park film, a copy of this was loaned to Mr. Lynn Franklin, United States Consul, for showing in the Netherlands West Indies, and in parts of South America. This film has since been returned to the Commission. Another copy of the film is presently on loan to the Reverend Captain Rawson for showing on a lecture tour which he is making in the United States.



A great many of our visitors are those who make Niagara Falls a stop enroute, either to or from other points in the Province. Your Commission, in its publicity, acquaints the public with the other points of interest in Niagara Parks as well as the Falls, which, of course, are the main attraction. During the past year the Commission had erected in Queen Victoria Park an illustrated sign seventy-five feet long, graphically showing the points of interest in Niagara Parks from Lake Erie at the south end to Lake Ontario at the north end, a total distance of thirty-five miles.

Approximately 17,500 people attended organized picnics in Queen Victoria Park, and approximately 26,000 people attended organized picnics in Queenston Park. The picnic accommodations at Queenston Park are much more spacious than in Queen Victoria Park. Nothing has been done with regard to estimating the total number of people who visit Niagara Parks during the summer season, but your Commission does have in mind making an effort to establish these approximate figures, feeling that they would be of some benefit as well to the Department of Travel and Publicity of the Province.

Mr. L. B. Spencer, K.C., was re-appointed as solicitor to the Commission. Early in 1946, Laurence Crawford was appointed auditor for the Commission for the current fiscal year. Mr. Crawford was engaged at a fee of \$1,500.00 for the current annual audit covering the activities and the books of the Commission for the fiscal year ending October 31, 1946.

#### AGREEMENTS

A new agreement was made with the Niagara Concessions Limited, who operate the Whirlpool Rapids Elevator and store. Under this agreement, the date at which the Commission becomes the owner of the enterprise was altered from June 1st, 1962 to June 1st, 1967, and the company was also given permission to construct a new walkway along the lower rapids, and a canopy at the entrance to the building at the River Road level. The new canopy was erected early in 1946, but the new walkway has not yet been built.

An agreement was made with the Hydro-Electric Power Commission of Ontario covering the re-location of a telephone cable in Queen Victoria Park, in the area where the new greenhouses are constructed.

An agreement was also made with the City of Niagara Falls covering the construction and operation of a snow chute on the River Road. An agreement was made with Mr. Arthur Schmon regarding the installation of a drain from Mr. Schmon's property in lot No. 23, Township of Niagara.

The only land transaction during the year was the sale of lots 201 and 205 in the Village of Queenston to Mr. Harry Digweed. These lots were part of the property which came to the Commission as a result of the termination of the agreement with the International Railway Company. The lots are entirely separate from the Parks System, and were not considered important as part of the Parks System. The purchase price was \$1,200.00 for the two lots.

The Commission also approved the form of an agreement between the Commission and applicants for boat house and dock privileges. This matter was considered with the object in view of establishing a definite and uniform policy with regard to the granting of dock and boat house privileges. Also of concern has been the establishing of suitable building restrictions along the Parkway, and a meeting was held with the heads of all the municipalities fronting on the Park-



Mather Park



Flower Beds and Entrance to Oakes Gardens

way, with the object of securing the co-operation of the different municipalities, which is necessary before any plan can be worked out. It is felt that something will be accomplished along these lines in the near future because there was general approval of the Commission's objectives.

#### MAINTENANCE AND UPKEEP OF PARKS AND GROUNDS

The usual maintenance work was carried out by the works department and horticultural department covering the entire parks system, from lake to lake. Several stretches of the road from Chippawa to Fort Erie were re-surfaced with an average thickness of three inches of asphalt. These were the areas where the bridges were widened some years ago and any other areas where the roadway showed a bad state of deterioration. This specific work was done by the Law Construction Company, and in addition to this your Commission did, with its own forces, a considerable amount of surface treatment in different areas on the park roadway in Queen Victoria Park and in the stretch of road above mentioned.

The Commission also continued shore protection along the bank of the upper river similar to the work as mentioned in the last report. Some grading work was done in Old Fort Erie Park where settlement occurred along the edges of the entrance roadway.

In connection with maintenance, your Commission follows the policy of replacing worn out equipment with new equipment when the same can be obtained, and also of purchasing any new equipment for the maintenance departments where a saving of labour can be made. In this connection, the purchase of new lawn mowing equipment was approved and the purchase of a traffic line marker. Difficulty is experienced in securing new equipment at this time.

A considerable amount of tree trimming, over the entire Park system, was done during the year, but this will be mentioned later on in this report under horticultural matters.

The construction of the new greenhouses was mentioned in the Commission's last report. These were completed during the fiscal year under review, and at time of writing this report, an official opening has been held. These greenhouses have a glass area of 11,000 square feet, a work room area, including storage space for bulbs, of 3,000 square feet, and a complete description will follow later on in this report.

At Fort Erie your Commission proceeded with the completion of earth fill at the southerly end of Mather Park, and this work is now practically completed. It is intended to complete the sea wall also at this point. The property in Fort Erie which the Commission owns, which is part of Mather Park, and located at the junction of Albany Street and Lakeshore Road, was also graded to a uniform grade and approximately 700 feet of new side walk was constructed. This filling and grading work at Mather Park, Fort Erie, was done by Aiken and MacLachlan, Limited, of St. Catharines, and the funds to pay for the work are part of the Mather legacy funds which have been held in reserve for some years for this particular purpose.

The addition to the Queenston Restaurant kitchen was completed in April 1946, and with the addition of some new pieces of kitchen equipment has proven its value to the operations carried on there. Arrangements have been made to purchase flood lights and have them installed on Brock's Monument. The smaller lights at the top of the monument are presently installed, and four large lamps at the base will be installed as soon as they are available.





Entrance—Administration Building



Niagara Glen Restaurant



At the Park Restaurant in Queen Victoria Park several new pieces of equipment were purchased and installed in the main kitchen and in the cafeteria a new serving counter was installed, including steam tables and a refrigerated display case and these facilities have made it possible to substantially increase the business done at that point. Naturally, there have been a great many other minor alterations in connection with park buildings and replacements and painting, and general upkeep of all the park buildings has proceeded wherever the same was found necessary.

#### HORTICULTURAL DEPARTMENT

The report of the horticultural department, which is under the supervision of John Oakes, follows:

The most particular part of the duties of the horticultural department of the Niagara Parks System is the maintaining of the parks and boulevards at a very high standard so that they will be a credit to the Parks Commission and a source of enjoyment and pleasure to the visiting public. This condition is fully appreciated by the horticultural staff and every effort has been made to fulfill what is expected and to improve where possible.

Fall planting of spring flowering bulbs and flowering plants resulted in a splendid display in the spring of 1946, and the flower beds were well furnished with summer flowering plants that were grown in the greenhouse.

Cut flowers and decorative plants were supplied, during the season, to the restaurants and park buildings.

The work of maintaining the boulevards during the 1946 season has been much easier, as we have been able to obtain more reliable and constant help. As the grass is cut by horse mowers, there has been no difficulty experienced with regard to mowers on the boulevard.

Extensive work was done on the trimming of trees, removal of dead wood and dead trees. Spraying of the trees for insect pests and diseases was carried out throughout the Park System.

Large sections of the lawns were treated with the new weed killer 2-4-D, which proved very effective.

Clearing, discing, and seeding the area of land on the Longhurst property and south of the Oak Grove on the Niagara-on-the-Lake boulevard, was carried out in the early spring. Further work is being done during September and October.

The fence and underbrush on the strip of land in front of the Jackson property on the Niagara-on-the-Lake boulevard was cleared and graded.

The driveway in Butler's Burying Ground was graded and drained, the lawns cleaned and graded so that they could be mown with the lawn mower and the grounds kept in good shape during the summer months.

Tennis courts at Queenston Heights Park were placed and kept in pre-war condition. Playing on these courts is continuous.

Paths in the rose garden in Queen Victoria Park were re-surfaced with a cold patch Tarvia mix. This necessitated the removal of the old surface and a re-grading of the paths.



Niagara Boulevard



At Boys' Training School

During the winter, work was progressing on the erection of the new greenhouses and in the meantime every effort was being made to propagate and grow plants in the old greenhouses. A good display of *Chrysanthemums* was exhibited in the Park Restaurant during the early part of November 1945.

One part of the heating plant of the old greenhouses completely collapsed during the winter but as one house of the new houses was almost completed the plant material was carried over and eventually other houses put into operation, thereby making it possible to save the stock and to continue propagating for spring.

Most of the decorative plants suffered considerably from conditions in the old greenhouses. They are now making satisfactory progress in the new houses.

All the plant material, flower pots, etc., were moved over to the new greenhouses during the summer. The old greenhouses were then dismantled, salvaging all glass of any value along with bricks, pipe, etc. The woodwork was completely rotten and of no use except for firewood.

The cement foundations were broken up and filled into the cold storage and boiler room, the area afterwards being graded uniformly.

During the winter months fill was being trucked in position for the terrace in front of the new greenhouses and on the completion of the stone wall the area was graded and seeded and planted with evergreen shrubs from the Glen Nursery and the greenhouse garden. Two hundred and fifty *Berberis Atropurpurea* were purchased from the Sheridan Nurseries for the planting of the hedge on top of the wall. In the meantime, propagating and growing was being carried on in the new greenhouses. Thirty-five palms (*Kentia Fosteriana*), six *Cibodiums* (Ferns), twelve *Crotons* in variety, one plant of *Eucharis* were purchased from the Dale Estate. A nice collection of exotic plants was sent by Mr. Anderson, Superintendent of Parks for the City of Westmount, Quebec, and many varieties from the Parks Department of the City of Toronto were donated.

All the plant material from the old greenhouses along with new material purchased and donated shows marked improvement in the short time they have been in the new houses. Propagation and growing is most satisfactory both in convenience and results which was fully exemplified in the brilliant show of bloom and foliage with which the greenhouses were furnished when they were formally opened November 9, 1946.

#### TRAINING SCHOOL FOR APPRENTICE GARDENERS

Regular monthly meetings, which are attended by the school committee and the staff, are held at the school, at which pressing problems are considered and dealt with. A used army truck, in good condition, was purchased for the transportation of the students to various places in the parks system. New Photographic equipment has been purchased and installed, and the students are being given a well rounded out course in gardening and horticulture. The majority of the twenty-two students now enrolled are returned men from the armed forces.

On November 1, 1945, there were nineteen apprentices at the school. Eleven were returned men, two of whom returned to the School to resume their training.

Sixteen students were enrolled during 1946. Of these, six were former students who returned to the school after serving in the forces.





At Dufferin Islands



Fort George



Eleven students left the school, four to take up positions, and seven for different reasons.

Two of the instructors are ex-service men and former students of the school, Jack Kimmel and Jim Marlow. Miss Betty Gray, the popular dietician and Miss Mary Procter, who is assistant to Miss Gray, have both served in the forces.

Sports and recreational facilities were provided the students, whereby they could indulge in ping-pong, basketball, skating, tennis, etc. Several enjoyable parties were organized by the student body and very pleasant evenings were spent by students and friends.

Trips were taken to the Dale Estate at Brampton, the Provincial Pathological Laboratory at St. Catharines, the Vineland Experimental Station at St. Catharines, and the Royal Winter Fair at Toronto. These trips were organized and conducted with the idea that the students would benefit by their observations of what was being done by other people in the horticultural field.

The regular schedule of winter lectures was started January the 28th and continued until the early part of April. Evening lectures were conducted during the fall of 1945. In the summer months the students were given practical demonstrations and lectures on the grounds.

Practical demonstrations of work done in other parts of the park system were given and facilities provided whereby the students could exemplify their aptitude and knowledge of what they had learned.

During the erection of the new greenhouses the students were given every opportunity to observe the methods of construction and given explanations and lectures as the work progressed. Practical work was given to the students during the year.

Grading of the rose garden was completed in the fall of 1945, and the area adjacent to the south end of the rose garden was underdrained. North of the residence a large area was underdrained, using a ditching machine. The use of the ditching machine and the drains dug by the students provided a practical demonstration of land drainage.

Trees and shrubs were supplied to other sections of the park system and planting was done from the nursery stock that had become over-crowded. Alongside the driveway at the school entrance the herbaceous border was lifted and planted.

The herb garden and the area in the near proximity to the lecture hall was cleaned up. This area also required considerable work to put it back in shape.

Grading, levelling and seeding and planting of the vistas were done to conform with the general plan of the school area.

Quantities of fresh vegetables and fruit were supplied to the school from early spring to late fall. These were grown on the grounds, and a goodly portion has been stored in the root cellar, for use during the winter months. Further work was found necessary on the root cellar, to keep the frost out. This was done during the fall months.

Construction of a tennis court and the beautification of the pool are now underway. These two projects will provide the students with practical demonstrations of landscape work and construction.

Nine pigs were purchased and fattened from kitchen waste and grain grown at the school, providing fresh meat for the school kitchen. Chickens were raised and fed at the school providing 1113 dozen eggs and 336 pounds of poultry for the table. One hundred and thirty-two dozen eggs were transferred to the res-

taurants along with quantities of vegetables in season. Four hundred and thirty quarts of fruit were canned and ninety put into frozen locker storage.

Facilities and conditions have been greatly improved, both in instruction and working conditions, and every opportunity given the students to become well versed in horticulture.

#### NIAGARA FALLS BRIDGE COMMISSION

Your Commission has had a complete report made by its solicitor with regard to the matter of occupation by the Bridge Commission of certain lands of the Commission, over which the bridge and its approaches pass, and this report has been given to the Chairman in order that he may discuss this whole matter with the Prime Minister and the Ontario Cabinet.

Mention has been made in previous reports about the land area on which are constructed what we call the "Rainbow Gardens". This area lies along the River Road, between the Oakes Garden Theatre and the main wall of the bridge plaza. It extends westerly again to the front wall of the bus terminal and a narrow strip extends from this westerly to Falls Avenue so that the property is roughly "L" shaped. These lands are presently under the title of the Department of Highways and the former Commission agreed to accept responsibility for the original cost of the construction at the gardens, including the flagstone walks, steps, flower beds, balustrades and ornamental stonework. The figure eventually agreed upon, between the Commission and the Department of Highways, was one hundred and forty thousand dollars and the understanding was that the land area would be deeded to the Commission by the Department of Highways. There is, however, a portion of these lands which was acquired by the Department from a former owner and settlement for the same has not yet been finally completed so that the land transfer from the Department to the Commission has not yet been carried out.

At the time of the building of the Bridge, the Department of Highways acquired from your Commission that portion of the River Road lying between what was formerly Newman Hill and Bender Street. This property has not yet been returned to the Commission by the Department of Highways. All of these matters are covered in the report of the investigation by our solicitor, as mentioned above.

An agreement was entered into with regard to policing of the Rainbow Bridge area, and including a portion of the River Road. This agreement is between this Commission, the Department of Highways, the Niagara Falls Bridge Commission and the City of Niagara Falls.

#### GRANTS

The following grants were made during the year:

Grants of \$15.00 and \$10.00 to Niagara Falls Collegiate Vocational Institute students, Ronald Watkinson and William Schlarb, respectively.

Grant of \$3,250.00 to Niagara Falls Illumination Board, under the standing agreement pertaining thereto.

Women's Wentworth Historical Society.....\$800.00.

Greater Niagara Chamber of Commerce..... 300.00.

Niagara Falls General Hospital..... 200.00.

Niagara-Toronto Lakeshore Protective Association.... 100.00.

## GUESTS

Itemized below are people and parties of people who were guests of the Commission, during the year:

Police Association of Ontario convention delegates.

Right Honourable Herbert Morrison, British Lord President of the Council, and party.

Field Marshal Lord Maitland Wilson and staff, accompanied by Sir Angus Fletcher, of Buffalo.

Group of labour representatives from the United States.

Liverpool Football Team.

British Naval Cadets.

Lord Mayor of Manchester and party.

Members of South Africa Trade Commission.

Field Marshal Montgomery and party.

Lord Addison, Minister of Dominion Affairs in the United Kingdom, and Lady Addison.

Miss Rhondda Kelly (Miss Australia).

## STAFF

A program of group insurance for the benefit of the employees of the Commission was undertaken, through the Sun Life Assurance Company of Canada and the Zurich General Accident and Liability Insurance Company. Under this program, the employees are covered for sick benefits and accident benefits in connection with accidents not associated with their work and over ninety percent of the staff participated in the scheme. Fifty percent of the cost of the insurance is paid for by the Commission.

The Commission also reviewed the wages of park employees, including labourers and tradesmen, and adjusted these wages to conform, generally, with prevailing wage rates in the Niagara area. Naturally, the advice of the Chairman, the Honourable Charles Daley, who is also Minister of Labour, was a great help in this matter.

The Commission also reviewed the staff with regard to placing as many of the staff who are eligible on the Civil Service list, and made it possible for several additional members of the staff to be placed in line for superannuation. This included several members of the armed forces who have returned to the staff of the Commission, and the Superannuation Board, in accordance with their general policy, have given these employees the option of paying up their back contributions, from the time that they were temporarily appointed to the time of permanent employment. In the case of members of the armed forces, the Commission has agreed, in common with the policy of the Province, to pay the contributions covering the time during which these employees were attached to the armed forces.

All of which is respectfully submitted to Your Honour by:

## THE NIAGARA PARKS COMMISSION

Hon. Charles Daley, Chairman  
Fred M. Cairns, Vice-Chairman  
Wm. B. Rollason  
Harold G. Fox, K.C., Ph.D.  
T. H. Lewis, M.L.A.  
T. F. Forestell, K. C.  
Cecil Secord  
George R. Inglis

## EXHIBIT "A"

## BALANCE SHEET AS AT 31ST OCTOBER, 1946

## ASSETS

## CURRENT ASSETS:

Cash on Hand and in Bank .....	\$133,411.16	
Water Rentals Due and Accrued .....	209,904.11	
Sundry Accounts Receivable .....	2,258.22	
Inventories of Saleable Merchandise, etc., at Cost, less Reserve of \$10,000.00 .....	42,514.73	
		<u>\$388,088.22</u>

## SINKING FUND:

For 5½% Fifteen Year Debentures due 1st August, 1947, Amount on Deposit with the Treasurer of the Province of Ontario and Interest Accrued .....	274,309.78
--	------------

## FIXED ASSETS:

	Book Value	Reserve for Depreciation	Net Book Value
Land, Landscaping, Roadways, Buildings and Improvements .....	\$6,495,238.85	\$2,229,847.54	\$4,265,391.31
Restaurant and Other Interior Equipment and Furnishings .....	188,333.93	136,545.36	51,788.57
Automobiles and Trucks .....	23,234.81	18,784.95	4,449.86
Miscellaneous Outside Equipment and Tools .....	46,295.65	37,095.96	9,199.69
Tableware, Linens and Utensils .....	31,447.52	26,338.24	5,109.28
	<u>\$6,784,550.76</u>	<u>\$2,448,612.05</u>	
			<u>4,335,938.71</u>

## DEFERRED CHARGES:

Discounts on Debentures, less Amounts Written Off .....	\$4,665.00
Publicity Supplies .....	5,439.98
Maintenance and Other Supply Inventories .....	13,678.60
Unexpired Insurance .....	9,145.94
Prepaid Local Improvement Taxes .....	3,894.67
Prepaid Workmen's Compensation Board Assessment .....	450.00
	<u>37,274.19</u>

## LEGACY FUND:

For Improvements at Mather Park:	
Amount on Deposit in Province of Ontario Savings Office .....	55,721.05
	<u>\$5,091,331.95</u>



## EXHIBIT "A"

## BALANCE SHEET AS AT 31ST OCTOBER, 1946

## LIABILITIES

## CURRENT LIABILITIES:

Accounts Payable, Accrued Payroll, etc.....	\$15,553.77	
Accrued Interest on Notes and Debentures.....	30,456.97	
Hold-back Payable in connection with construction of New Greenhouses.....	23,552.60	
Principal due 1st December, 1946, on 4% Instalment Gold Debentures.....	136,000.00	
Department of Highways, Province of Ontario (re extension of Oakes Garden Theatre).....	135,629.61	
		<u>\$341,192.95</u>

## DEBENTURES AND NOTES, GUARANTEED BY THE PROVINCE OF ONTARIO:

2% Three Year Bearer Coupon Notes due 21st December, 1947	\$3,000,000.00	
4% Instalment Gold Debentures due 1st December, 1928 to 1947, payable in United States or Canadian Funds at Holders' Option.....	\$2,000,000.00	
Less:		
Redeemed and Cancelled.....	1,722,000.00	
	<u>\$278,000.00</u>	
Less:		
Instalment due 1st December, 1946, included with Current Liabilities.	136,000.00	
		142,000.00
5½% Fifteen Year Sinking Fund Debentures due 1st August, 1947.....	300,000.00	
		<u>3,442,000.00</u>
RESERVE FOR ACCIDENT PENSIONS.....		31,054.29
SURPLUS, as per statement attached.....		1,221,363.66
MATHER LEGACY, as per contra.....		55,721.05
		<u>\$5,091,331.95</u>

## EXHIBIT "B"

## SURPLUS ACCOUNT

## FOR THE YEAR ENDED 31ST OCTOBER, 1946

BALANCE AS AT 31ST OCTOBER, 1945.....	\$1,010,546.20	
Add:		
Excess of Income over Expenses for the year ended 31st October, 1946, as per Exhibit "C".....	\$211,435.96	
Less:		
Professional fees paid to Dr. G. B. Snyder, Niagara Falls, Ontario, for Services Rendered during the years 1938 to 1944.....	618.50	
		<u>210,817.46</u>
Balance as at 31st October, 1946, carried to Exhibit "A".....		<u>\$1,221,363.66</u>

## EXHIBIT "C"

## SUMMARY OF INCOME AND EXPENSES

FOR THE YEAR ENDED 31ST OCTOBER, 1946

## Income:

Water Rentals .....	\$559,717.20	
Profit from Operated Concessions after including Maintenance and Provision for Depreciation of Premises, but exclusive of any Portion of the Administrative Overhead of the Commission ..	148,393.35	
Privileges, Tolls and Fees .....	34,452.14	
Sundry Income including Cash Discount .....	2,720.52	
	<u>          </u>	\$745,283.21

## Expenses and Provisions:

Maintenance:		
Maintenance of Parks, Grounds and Facilities ..	\$232,268.57	
Salaries and Expenses of Guards and Caretakers ..	27,323.86	
	<u>          </u>	\$259,592.43
Administration and General Expenses .....	76,082.46	
Interest and Exchange on Debentures and Notes .....	84,011.10	
Provision for Depreciation:		
Equipment and Tools .....	\$12,651.38	
Buildings, Roadways and Improvements, etc. ..	137,891.82	
	<u>          </u>	\$150,543.20
Less: Amount Charged to Operated Concessions ..	36,381.94	
	<u>          </u>	114,161.26
		<u>533,847.25</u>
<i>Excess of Income over Expenses for the year ended 31st October, 1946, carried to Exhibit "B" .....</i>		<u>\$211,435.96</u>

SUMMARY OF FIXED ASSETS AND DEPRECIATION RESERVES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

ASSETS

	Balance Oct. 31, 1945	Additions 1946	Deductions 1946	Balance Oct. 31, 1946
Land, Landscaping, Roadways and Improvements:				
Land and Landscaping.....	\$2,610,950.01	\$9,203.42	\$200.00	\$2,619,953.43
Roadways, Bridges and Parking Areas.....	1,640,594.41	.....	.....	1,640,594.41
Road Renewals (Reserve only)....	.....	.....	.....	.....
Oakes Garden Theatre.....	364,670.15	.....	.....	364,670.15
Stone Parapets, Walls, Arches, etc.	345,432.01	1,735.34	.....	347,167.35
Historical Structures and Sites.....	454,430.80	.....	.....	454,430.80
Park and Concession Buildings.....	964,591.22	103,831.49	.....	1,068,422.71
	<u>\$6,380,668.60</u>	<u>\$114,770.25</u>	<u>\$200.00</u>	<u>\$6,495,238.85</u>
Restaurant and Other Interior Equipment and Furnishings.....	175,297.76	16,082.82	3,046.65	188,333.93
Automobiles and Trucks.....	19,781.34	4,729.84	1,276.37	23,234.81
Miscellaneous Outside Equipment and Tools.....	44,306.49	2,060.48	71.32	46,295.65
Tableware, Linens and Utensils.....	31,592.67	2,577.26	2,722.41	31,447.52
	<u>\$6,651,646.86</u>	<u>\$140,220.65</u>	<u>\$7,316.75</u>	<u>\$6,784,550.76</u>

NOTE: Further information regarding Additions to Assets totalling \$140,220.65 is set out in Schedule 6.

SCHEDULE 1 (a)

STATEMENT OF WATER RENTALS  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Canadian Niagara Power Company, Limited.....	\$72,307.89
Ontario Power Company.....	120,241.09
Electrical Development Company, Limited.....	85,064.21
Hydro-Electric Power Commission—Queenston.....	282,104.01
<i>Water Rentals for the year ended 31st October, 1946, as per Exhibit "C".....</i>	<u><u>\$559,717.20</u></u>

## EXHIBIT "D"

SUMMARY OF FIXED ASSETS AND DEPRECIATION RESERVES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

## DEPRECIATION RESERVES

Balance Oct. 31, 1945	Provision 1946 Rate %      Amount	Deductions 1946	Balance Oct. 31, 1946
\$522,663.71	1      \$26,199.53	.....	\$548,863.24
534,855.37	1      16,405.94	.....	551,261.31
377,928.22	3      49,217.82	.....	427,146.04
33,157.48	1      3,646.70	.....	36,804.18
30,289.20	1      3,471.67	.....	33,760.87
33,672.19	1      4,544.31	.....	38,216.50
559,389.55	2½-5      34,405.85	.....	593,795.40
<u>\$2,091,955.72</u>	<u>\$137,891.82</u>	.....	<u>\$2,229,847.54</u>
132,107.71	10      7,344.71	\$2,907.06	136,545.36
18,026.10	25      1,716.13	957.28	18,784.95
34,560.92	10      2,606.36	71.32	37,095.96
28,075.58	10      984.18	2,721.52	26,338.24
<u>\$2,304,726.03</u>	<u>\$150,543.20</u>	<u>\$6,657.18</u>	<u>\$2,448,612.05</u>

## SCHEDULE 1 (b)

STATEMENT OF INCOME FROM PRIVILEGES, TOLLS AND FEES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Niagara Spanish Aerocar Company, Limited.....	\$5,125.00
Niagara Concessions, Limited.....	1,000.00
Maid of the Mist Steamboat Company, Limited.....	2,500.00
Hy-Power Viewing Machines.....	18,879.90
Sundry Rentals.....	6,947.24
<i>Income from Privileges, Tolls, and Fees for the year ended 31st October, 1946, as per Exhibit "C".....</i>	<u>\$34,452.14</u>



OPERATED CONCESSIONS  
STATEMENT OF INCOME AND EXPENSES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

	Park Restaurant	Table Rock Souvenir Store and Scenic Tunnel	Queenston Restaurant and Pavilion
<i>Income:</i>			
Dining Room Meals .....	\$93,635.62		\$27,745.76
Lunch Room and Refreshments, Confectionery and Tobacco.....	59,255.89	\$6,063.30	8,342.30
	<u>\$152,891.51</u>	<u>\$6,063.30</u>	<u>\$36,088.06</u>
Souvenirs and Chinaware.....	39,834.62	127,687.75	2,299.24
Fares and Admissions.....		96,545.25	
Profit on Exchange.....	244.07	671.99	24.45
	<u>\$192,970.20</u>	<u>\$230,968.29</u>	<u>\$38,411.75</u>
<i>Expenses:</i>			
Food, Refreshments, Confectionery and Tobacco	\$67,120.62	\$5,018.00	\$21,677.55
Souvenirs and Chinaware.....	20,706.26	69,148.19	1,353.84
Salaries and Wages.....	38,540.36	32,786.80	8,529.19
Fuel, Water, Power and Laundry.....	5,675.99	1,682.02	2,012.49
General Expenses, including Telephone, In- surance, etc.....	8,573.48	5,214.82	2,726.47
Maintenance of Concession Buildings, Premises and Equipment.....	10,378.11	3,214.80	137.89
Loss on Premium.....	259.93	191.68	55.60
	<u>\$151,254.75</u>	<u>\$117,256.31</u>	<u>\$36,493.03</u>
<i>Profit, before providing for Depreciation.....</i>	<i>\$41,715.45</i>	<i>\$113,711.98</i>	<i>\$1,918.72</i>
<i>Deduct: Provision for Depreciation of Buildings and Equipment.....</i>	<i>18,843.82</i>	<i>8,695.92</i>	<i>3,562.66</i>
	<u>\$22,871.63</u>	<u>\$105,016.06</u>	<u>\$1,643.94</u>
Profit or Loss, exclusive of any Portion of the Administrative Overhead of the Com- mission.....			

## SCHEDULE 2

OPERATED CONCESSIONS  
STATEMENT OF INCOME AND EXPENSES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Niagara Glen Restaurant	Clifton Gate Store and Incline Railway	Fort Erie Pavilion and Barracks	Fort George Trading Post	Brock's Monument	Total
.....	.....	.....	.....	.....	\$121,381.38
\$10,109.75	\$5,679.47	\$7,173.77	\$1,566.76	.....	98,191.24
\$10,109.75	\$5,679.47	\$7,173.77	\$1,566.76	.....	\$219,572.62
11,895.16	45,570.39	1,604.33	535.71	.....	229,427.20
.....	7,405.96	1,528.70	2,295.50	\$5,120.66	112,896.07
74.39	235.07	7.00	4.62	.....	1,261.59
\$22,079.30	\$58,890.89	\$10,313.80	\$4,402.59	\$5,120.66	\$563,157.48
\$6,184.47	\$4,678.89	\$5,445.46	\$1,708.61	.....	\$111,833.60
6,696.32	24,269.30	892.96	335.86	.....	123,402.73
2,640.79	6,110.13	1,892.73	1,299.59	\$514.19	92,313.78
497.61	426.94	293.24	26.45	.....	10,614.74
1,028.39	4,747.71	358.62	266.70	17.00	22,933.19
657.72	990.38	860.56	180.14	203.37	16,622.97
31.64	95.00	18.40	6.54	2.39	661.18
\$17,736.94	\$41,318.35	\$9,761.97	\$3,823.89	\$736.95	\$378,382.19
\$4,342.36	\$17,572.54	\$551.83	\$578.70	\$4,383.71	\$184,775.29
1,770.86	2,354.17	745.36	409.15	.....	36,381.94
\$2,571.50	\$15,218.37	\$193.53	\$169.55	\$4,383.71	\$148,393.35

## SCHEDULE 3

STATEMENT OF MAINTENANCE EXPENSES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Maintenance of Parks, Grounds and Facilities:		
Grounds.....	\$97,016.80	
Driveways.....	35,867.13	
Buildings and Structures.....	\$40,982.50	
<i>Less: Amount Charged to Operated Concessions.</i>	11,821.51	
	<hr/>	29,160.99
Workshops.....	8,870.64	
Commissioners' Rooms.....	5,089.32	
Greenhouse.....	10,593.08	
Trucks, unallocated expense.....	1,346.78	
Fort Relics.....	1,944.46	
Drainage and Water.....	1,307.64	
Equipment Upkeep.....	6,217.69	
Park Lighting.....	4,860.42	
Training School Wages, Supplies, etc.....	27,545.61	
Water Leakage in Service to Queenston Area.....	2,146.85	
Miscellaneous.....	301.16	
	<hr/>	\$232,268.57
Salaries and Expenses of Guards and Caretakers:		
Salaries of Commission's Staff.....	\$21,927.22	
Services of Ontario Provincial Police on Boulevard Patrol Duty..	4,245.45	
Uniforms and Other Expenses.....	1,151.19	
	<hr/>	27,323.86
<i>Maintenance Expenses for the year ended 31st October, 1946, as per Exhibit "C"</i>		<hr/> <hr/> \$259,592.43

## SCHEDULE 4

STATEMENT OF ADMINISTRATION AND GENERAL EXPENSES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Administration Salaries and Expenses:		
Administration and Office Salaries .....	\$27,127.45	
Office Supplies .....	1,291.26	
Office Expense .....	2,332.64	
Travelling Expenses .....	234.40	
Commissioners' Expenses .....	2,867.72	
		\$33,853.47
Miscellaneous and General Expenses:		
Insurance .....	\$6,071.99	
Publicity .....	9,711.85	
Meals for Members of Armed Services and Special Parties .....	654.07	
Pensions re Injury Awards .....	3,683.30	
Workmen's Compensation .....	\$2,741.81	
Less: Amount Charged to Concessions .....	830.82	
		1,910.99
Rentals and Taxes .....	1,290.89	
Car Mileage Allowance .....	3,294.63	
Telephone .....	1,599.62	
Commission's Contribution to Provincial Superannuation Fund (4%) .....	2,764.67	
Legal and Audit Fees .....	3,464.35	
Unemployment Insurance .....	177.01	
Group Life, Health and Accident Insurance .....	1,110.53	
Christmas Gifts to Staff .....	1,626.65	
Financial Expense .....	193.44	
		37,553.99
Special Grants:		
The Niagara Falls Illumination Board .....	\$3,250.00	
The Niagara Falls General Hospital Trust .....	200.00	
The Greater Niagara Chamber of Commerce .....	300.00	
Women's Wentworth Historical Society .....	800.00	
Niagara-Toronto Lake Shore Protective Association .....	100.00	
Miscellaneous .....	25.00	
		4,675.00
<i>Administration and General Expenses for the year ended 31st October, 1946, as per Exhibit "C" .....</i>		<u>\$76,082.46</u>



## SCHEDULE 5

STATEMENT OF INTEREST AND EXCHANGE ON DEBENTURES AND NOTES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Interest:			
On 2% \$3,000,000.00 Bearer Notes.....		\$60,000.00	
On 4% Instalment Gold Debentures.....			11,556.68
On 5½% Sinking Fund Debentures.....	\$16,500.00		
Less: Interest Earned on Sinking Fund.....	10,484.98		
		<u>6,015.02</u>	
			\$77,571.70
U.S. Exchange			
On Principal Instalment of \$131,000.00 paid as of 1st December, 1945.....	\$13,755.00		
Less: Amount previously provided.....	12,608.75		
		<u>\$1,146.25</u>	
On Interest paid on 4% Instalment Gold Debentures	\$1,425.90		
Less Amount previously provided.....	715.75		
		<u>710.15</u>	
			1,856.40
Amortization of Debenture Discount:			
On 4% Instalment Gold Debentures.....	\$3,683.00		
On 5½% Sinking Fund Debentures.....	900.00		
		<u>4,583.00</u>	
<i>Interest and Exchange on Debentures and Notes for the year ended 31st October, 1946, as per Exhibit "C".....</i>			<u><u>\$84,011.10</u></u>

## SCHEDULE 6

SUMMARY OF CAPITAL EXPENDITURES  
FOR THE YEAR ENDED 31ST OCTOBER, 1946

Land, Landscaping, Roadways and Improvements:			
Landscaping and Service Road at New Greenhouses.....	\$9,203.42		
Additions to Parapet Wall, Queen Victoria Park.....	1,735.34		
		<u>\$10,938.76</u>	
Park and Concession Buildings:			
New Greenhouses, Queen Victoria Park—			
Balance of Construction Costs.....	\$92,398.03		
Addition at Queenston Restaurant.....	7,155.76		
New Garage in Park Yards (in progress).....	2,877.34		
Machinery Storage Building at Training School.....	1,400.36		
		<u>103,831.49</u>	
			\$114,770.25
Equipment and Furnishings:			
Restaurant and Other Interior Equipment and Furnishings.....	\$16,082.82		
Automobiles and Trucks.....	4,729.84		
Miscellaneous Outside Equipment and Tools.....	2,060.48		
Tableware, Linens and Utensils for Restaurants.....	2,577.26		
		<u>25,450.40</u>	
<i>Capital Expenditures for the year ended 31st October, 1946, as per Exhibit "D".....</i>			<u><u>\$140,220.65</u></u>

## SCHEDULE 7

## MATHER LEGACY FUND

FOR THE YEAR ENDED 31ST OCTOBER, 1946

Balance as at 31st October, 1945 .....		\$103,306.87
<i>Add:</i>		
Premium on \$90,000.00 Dominion of Canada Bonds, sold ...	\$4,218 75	
Bond Interest to date of sale .....	1,710 62	
Bank Interest to 30th September, 1946 .....	374 81	
		<u>6,304.18</u>
		\$109,611.05
<i>Deduct:</i>		
Payments to Aiken and MacLachlan, Limited, on account of		
Contract at Mather Park .....	\$63,400.00	
Less: 15% Holdback .....	9,510.00	
		<u>53,890.00</u>
Balance as at 31st October, 1946, as per Exhibit "A" .....		<u>\$55,721.05</u>









# LOAN AND TRUST CORPORATIONS' STATEMENTS

BEING

ABSTRACTS FROM FINANCIAL STATEMENTS  
MADE BY

LOAN CORPORATIONS, BUILDING SOCIETIES, LOANING LAND  
CORPORATIONS, AND TRUST COMPANIES

FOR THE YEAR ENDED  
31st DECEMBER, 1946

---

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER, No. 7, 1947

---



ONTARIO

TORONTO:  
Printed and Published by  
Baptist Johnston, Printer to the King's Most Excellent Majesty  
1947

#### N O T E

---

Section 123 of The Loan and Trust Corporations Act (R.S.O. 1937, Chapter 257) provides as follows:—

123.—(1) No corporation shall, under the penalty of becoming disentitled to registry or of having its registry suspended or cancelled, make, print, publish, circulate, authorize, or be a party or privy to the making, printing, publishing, or circulating of any statement or representation that its solvency or financial standing is vouched for by the Registrar or that the publication of its statement in his report is a warranty or representation of the solvency of the corporation, or of the truth or accuracy of such statement in any particular.



ONTARIO

DEPARTMENT OF INSURANCE

TO THE HONOURABLE LESLIE E. BLACKWELL, K.C., M.P.P.,

*Minister in charge of the Department of Insurance.*

Sir:

I have the honour to submit herewith, as required by The Loan and Trust Corporations Act, the Fiftieth Annual Report of the Registrar of Loan Corporations. It shows the particulars of the business of each registered loan corporation, loaning land corporation, and trust company doing business in Ontario during 1946, as ascertained from its annual and other returns and from the inspection and enquiries made by the Chief Inspector and his staff. Detailed statements of the individual corporations are grouped herein in accordance with these three classifications recognized by the Act and are further arranged in alphabetical order. In addition, statistical tables, tabulated summaries and comparative statements are included as shown in the Table of Contents.

The annual returns of the corporations covering their 1946 business were filed with the Department at the end of February, 1947. Upon filing, each return was carefully checked and a preliminary Abstract of this Report showing assets, liabilities, revenue accounts, profit and loss accounts and mortgage summaries was prepared and issued under date of May 1st, 1947. The remaining months of the year were required to complete the annual inspection of the corporations, and to determine what changes, if any, should be made in the individual statements of the corporations as a result of such inspections. Any such changes made have not been carried, by reason of the time and expense involved, into the statistical tables and summaries at the end of this report which are reprinted without change as they appeared in the preliminary Abstract.

I have the following registry changes to report:

*"The London and Western Trusts Company, Limited"*

*"The Canada Trust Company"*

An agreement between these companies dated December 20th, 1946, whereby the Assets and Liabilities of The London and Western Trusts Company, Limited



were taken over and assumed by The Canada Trust Company, was approved, ratified and confirmed by the shareholders of both companies on the 4th day of February, 1947, and was approved by Order-in-Council on the 13th day of February, 1947.

*“Capital Trust Corporation, Limited”*

*“Guaranty Trust Company of Canada”*

An agreement between these companies dated 6th day of March, 1947, whereby the Assets and Liabilities of Capital Trust Corporation, Limited were taken over and assumed by Guaranty Trust Company of Canada, was approved, ratified and confirmed by the shareholders of both companies on the 30th day of April, 1947, and was approved by Order-in-Council on the 12th day of June, 1947.

*“Midland Loan and Savings Company”*

*“Canada Permanent Mortgage Corporation”*

An agreement between these companies dated 30th day of August, 1947, whereby the Assets and Liabilities of Midland Loan and Savings Company were taken over and assumed by Canada Permanent Mortgage Corporation, was approved, ratified and confirmed by the shareholders of both companies on the 6th day of November, 1947, and was approved by Order-in-Council on the 4th day of December, 1947.

#### INTRODUCTION :

The Statistical Tables included at the end of this Report have been used for comparative purposes in preparing the following review of 1946 business :

#### LOAN CORPORATIONS :

Total assets of loan corporations have increased \$17,600,000 during 1946 to a total of \$225,370,000. This is the largest increase that has been shown in any single year and continues a trend which started in 1942 when these assets totalled \$194 million. Prior to that time there was an irregular decrease since 1931 when they totalled \$239 million.

The growth in total assets during the past four years has been mainly the result of an increase in Deposits from \$33 million in 1942 to \$62 million in 1946 which is the largest amount shown since statistics have been kept. In 1946 these Deposits increased \$12 million and Debentures payable in Canada also increased \$5 million. As a result of the further redemption of debentures payable in Sterling, debentures payable outside of Canada have continued to decline. These were reduced \$703,000 in 1946 to a total of \$14,195,000 as compared with \$27,-184,000 in 1938.

The following table shows the public liability of loan corporations over the past twenty-two years :

Year	Deposits	Debentures Payable	
		In Canada	Out of Canada
1924	\$27,757,000	(\$86,650,000 not separated)	
1934	31,460,000	\$83,558,000	\$30,085,000
1938	33,589,000	74,850,000	27,184,000
1942	33,439,000	74,222,000	20,033,000
1943	37,381,000	74,737,000	17,872,000
1944	44,384,000	73,391,000	15,856,000
1945	50,257,000	73,906,000	14,898,000
1946	62,175,000	79,141,000	14,195,000

Real Estate held for sale has again been reduced in 1946, the decrease being \$1.2 million to a total of \$2.1 million as compared with \$11.7 million in 1939.

In 1931 mortgages held by these companies totalled \$183 million and have steadily declined each year to \$134 million in 1938 and \$107 million in 1945. In 1946 for the first time in this sixteen year period the investment in mortgages has increased; the increase amounting to \$7.6 million to a total of \$114.6 million.

The remainder of the new funds deposited with these companies or invested in their debentures in 1946 has been invested in Dominion Government bonds which increased \$7.3 million, and in stocks which increased \$2.1 million.

The percentage of Dominion of Canada bonds to total assets is 28.69% as compared with 27.63% in 1945 and 6.41% in 1941. Holdings of cash increased \$1,982,000 this year to a total of \$9,321,000 and the percentage of total assets held in cash and Dominion Government bonds has increased from 31.16% in 1945 to 32.83% in 1946, which compares with 11.08% in 1941.

#### TRUST COMPANIES:

Total assets of trust companies (exclusive of those held for estates, trusts and agencies) show an increase of \$26,024,000. Company fund assets of \$64,-020,000 show a decrease of \$2,072,000 in 1946 from the total in 1945. Guaranteed fund assets totalling \$204,381,000 have increased \$28,097,000 due principally to an increase in Trust Deposits of \$17,333,000 and an increase in Guaranteed Certificates of \$10,994,000.

Trust deposits over the past twenty-two years have shown a steady increase and are at the present time at their highest point since statistics have been kept. Guaranteed Receipts have been fluctuating but in the last four years show a substantial increase. The following table of Guaranteed Funds received from the public by trust companies over the past twenty-two years shows the trend of this liability.

Year	Deposits	Guaranteed Receipts	Total
1924	\$11,363,000	\$42,655,000	\$ 54,018,000
1934	45,058,000	87,493,000	132,551,000
1938	56,488,000	87,367,000	143,855,000
1942	55,033,000	80,468,000	135,501,000
1943	59,505,000	84,056,000	143,561,000
1944	69,485,000	89,524,000	159,009,000
1945	81,968,000	94,080,000	176,048,000
1946	99,301,000	105,074,000	204,375,000

The increase in total assets of trust companies is mainly represented by an increase of \$18.6 million in Dominion of Canada bonds, \$3.7 million in Canadian Municipal and other bonds and \$3.2 million in mortgages. Dominion of Canada bonds total \$118 million and now represent 27.04% of company funds and 49.31% of guaranteed funds as compared to 22.36% and 48.11% respectively in 1945.

Mortgages on real estate held by these companies have decreased steadily in recent years but in 1946 an increase of \$3.2 million is shown, to a total of \$62,500,000. Real Estate held for sale has again been reduced from \$1,839,000 in 1945 to \$863,000 in 1946 which compares with \$9,367,000 in 1939.

#### PUBLIC LIABILITY — LOAN AND TRUST COMPANIES COMBINED :

The total public liability of both Loan and Trust Companies increased \$44 million in 1946 to a total of \$359 million. This compares with \$168 million in 1924, \$277 million in 1934, \$279 million in 1938. This liability consists of debentures payable by Loan Companies, Guaranteed Investment Receipts issued by Trust Companies and deposits held by both Loan and Trust Companies.

Deposits at December 31st, 1946 were \$161 million as compared with \$132 million at December 31st, 1945, an increase of \$29 million, which compares with an increase during 1945 of \$18 million and an increase of \$17 million in 1944. Deposits have been increasing steadily for the past twenty-two years, being \$39 million in 1924, \$76 million in 1934 and \$90 million in 1938.

#### ESTATES, TRUSTS AND AGENCY FUNDS :

Total assets under administration by all Trust Companies have increased during 1946 by \$60 million to a total figure of \$2,814 million. At December 31st, 1924, the total assets under administration by all companies showed a total of \$823 million.

#### OFFICE PREMISES :

The total investment in office premises for Loan and Trust Corporations amounted to \$10,814,000. This is an increase of \$44,000 from the previous total of \$10,770,000, which is due to the purchase of additional office space.

#### REAL ESTATE HELD FOR SALE :

The following table shows the holdings of real estate during the past twelve years:

Year	Loan Corporations	Trust Companies
1935	\$ 8,850,000	\$ 7,151,000
1936	10,146,000	8,321,000
1937	12,933,000	8,549,000
1938	11,334,000	8,938,000
1939	11,731,000	9,367,000
1940	12,020,000	9,411,000
1941	10,989,000	8,379,000
1942	9,617,000	6,952,000
1943	8,714,000	5,246,000
1944	6,010,000	3,172,000
1945	3,296,000	1,839,000
1946	2,113,000	863,000

Real Estate held for sale by all Loan and Trust Corporations shows a substantial decrease of \$2,159,000 during 1946 from a total of \$5,135,000 in 1945 to \$2,976,000 in 1946. In 1940 the total amount of real estate held for sale amounted to \$21,431,000. Holdings of real estate by Loan Corporations now represent .09% of total assets as compared with 6.01% in 1940, while that held by Trust Companies in Company Funds was 1.34% of total Company Assets in 1946 and 15.98% in 1940.

#### MORTGAGE LOANS:

Total mortgages of both Loan and Trust Corporations are carried at balance sheet figures of \$177,200,000, an increase of \$10,820,000 from the total in 1945 of \$166,380,000. Loan Corporations increased their mortgages \$7,632,000 to \$114,-664,000, while those of Trust Companies have been increased \$3,188,000 from \$59,348,000 to \$62,536,000.

The summary of mortgages at the end of this Report shows a segregation of farm and urban mortgages by provinces, based on the gross book value before the deduction of special reserves for balance sheet purposes. From this summary the following table has been prepared showing the trend of mortgages of both Loan and Trust Corporations, divided between Western and Eastern holdings for the years 1938 to 1946 inclusive.

<i>Western</i>	<i>Principal</i>	<i>Interest Charged and Past Due</i>
1938	\$80,006,000	\$5,188,000
1939	77,632,000	5,008,000
1940	75,072,000	5,353,000
1941	72,086,000	5,015,000
1942	68,680,000	5,088,000
1943	61,102,000	3,891,000
1944	49,155,000	1,633,000
1945	42,837,000	869,000
1946	41,804,000	719,000
<i>Eastern</i>		
1938	153,350,000	2,042,000
1939	152,426,000	1,834,000
1940	149,103,000	1,581,000
1941	146,014,000	1,222,000
1942	140,175,000	856,000
1943	132,970,000	615,000
1944	128,891,000	324,000
1945	129,980,000	89,000
1946	141,922,000	76,000

A segregation between farm and urban mortgage principal owing has been made for the five years since 1942 as follows:

	(000 omitted)				
<i>Western</i>	1946	1945	1944	1943	1942
Farm	\$ 19,802	\$ 25,113	\$ 32,074	\$ 44,015	\$ 49,140
Urban	22,002	17,724	17,081	17,087	19,540
<b>Total</b>	<b>\$ 41,804</b>	<b>\$ 42,837</b>	<b>\$ 49,155</b>	<b>\$ 61,102</b>	<b>\$ 68,680</b>



<i>Eastern</i>	1946	1945	1944	1943	1942
Farm	\$ 8,410	\$ 7,786	\$ 7,774	\$ 7,937	\$ 8,632
Urban	133,512	122,194	121,117	125,033	131,543
Total	<u>\$141,922</u>	<u>\$129,980</u>	<u>\$128,891</u>	<u>\$132,970</u>	<u>\$140,175</u>
Total Farm	\$ 28,212	\$ 32,899	\$ 39,848	\$ 51,952	\$ 57,772
Total Urban	155,514	139,918	138,198	142,120	151,083
Grand Total	<u>\$183,726</u>	<u>\$172,817</u>	<u>\$178,046</u>	<u>\$194,072</u>	<u>\$208,855</u>

In 1945 it was noted that the decline in mortgages which was evident during the war years had been halted in the case of Eastern mortgages and urban mortgages in Western Provinces. This year there has been a substantial increase in these types of mortgages and only Western farm mortgages have continued to decline.

#### COLLATERAL LOANS:

The total of these loans for both Loan and Trust Corporations is \$13,984,000, which shows a decrease of \$1,484,000 from a total of \$15,468,000 in 1945.

#### BONDS AND DEBENTURES:

Bonds and Debentures held by Loan Corporations total \$76,988,000 and by Trust Companies \$155,250,000, a total for both Loan and Trust Corporations of \$232,238,000, which represents an increase of \$29,868,000 over the previous year's total of \$202,370,000. The investment in Dominion Government bonds has increased \$25,914,000 and Provincial, Municipal and other bonds have increased \$3,954,000 compared to a decrease of \$1,165,000 in 1945.

The following table shows the trend of bonds and debentures of Loan and Trust Corporations for the period from 1941 to 1946:

	(000 omitted)					
	1941	1942	1943	1944	1945	1946
Dom. of Canada	\$ 41,648	\$ 51,989	\$ 81,618	\$114,059	\$156,974	\$182,888
Provincial	23,187	23,134	22,526	21,907	20,927	21,183
Municipal	12,162	11,188	11,267	10,744	10,897	12,106
Other	17,441	14,355	13,483	13,910	13,572	16,061
Total	<u>\$ 94,438</u>	<u>\$100,666</u>	<u>\$128,894</u>	<u>\$160,620</u>	<u>\$202,370</u>	<u>\$232,238</u>

During the five years from 1941 to 1946 these corporations have invested \$141.2 million in Dominion of Canada bonds. Dominion of Canada bonds now represent 37.04% of total assets of Loan and Trust Companies as compared with 10.47% in 1941, but with a return to normal conditions we may anticipate that this trend will not continue.

#### STOCKS:

The holdings of stocks by Loan Corporations increased \$2,124,000 in 1946 to a total of \$15,656,000, while Trust Companies' holdings at \$14,575,000 show an increase of \$1,532,000.

#### CASH:

Cash held by Loan Corporations increased \$1,981,000 to a total of \$9,321,000, while total cash of Trust Companies increased \$1,728,000 in 1946 to a total of \$13,223,000.

#### EARNINGS:

Net profits of Loan Corporations (excluding transfers to and from investment reserves) amounted to \$2,871,000 in 1946, as compared to \$3,147,000 in 1945. Trust Companies' net profit on the same basis were \$3,387,000 in 1946, as compared with \$3,199,000 in 1945.

The net amount transferred to investment reserves which have been eliminated from the above figures is \$564,000 for Loan Corporations and \$497,300 for Trust Companies, which compares with \$945,900 and \$453,600 respectively in 1945.

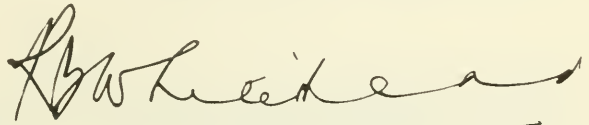
#### DIVIDENDS:

Dividends declared by Loan Corporations in 1946 amounted to \$1,972,000 and by Trust Companies to \$2,007,000 as compared with \$1,948,000 and \$1,876,000 respectively in 1945.

#### LIQUID POSITION:

The percentage of liquid securities held by Loan and Trust Corporations that accept deposits was 110.56% on December 31st, 1946, as compared with 113.50% in 1945, 109.22% in 1944, 80.41% in 1942 and 67.35% in 1939.

All of which is respectfully submitted.



*Registrar of Loan Corporations.*

November 30th, 1947.

# CONTENTS

List of Corporations registered as on December 31st, 1946 with index to Detailed Reports):	
Loan Corporations, Building Societies and Loaning Land Corporations.....	220
Trust Companies .....	222
Detailed Reports:	
Loan Corporations having permanent stock only .....	3
Loan Corporations having terminating as well as permanent stock or having terminating stock only .....	39
Loaning Land Corporation .....	45
Trust Companies .....	53
List of Trust Companies authorized as trustee, administrator, guardian, etc., without security .....	xi
Trust Companies with whom trustees may entrust money for Guaranteed investment .....	xii
Loan Corporations whose debentures are authorized for investment by trustees .....	xi
Loan Corporations whose debentures are authorized for investment by trustees and with whom trustees may deposit trust funds .....	xi
Tabulated Summaries of the Annual Statements as filed by registered corporations:	
Loan Corporations:	
Assets .....	170
Liabilities .....	172
Income .....	174
Expenditure .....	176
Profit and Loss Account .....	178
Trust Companies:	
Assets (Company funds) .....	182
Assets (Guaranteed funds) .....	184
Liabilities (Company funds) .....	186
Liabilities (Guaranteed funds) .....	187
Income .....	188
Expenditure .....	190
Profit and Loss Account .....	192
Guaranteed Fund Revenue .....	194
Mortgages and Agreements on Real Estate classified as to Province:	
Loan Corporations .....	198
Trust Companies (Company funds) .....	200
Trust Companies (Guaranteed funds) .....	202
Comparative Summary of Assets and Liabilities of:	
Loan Corporations .....	204
Trust Companies (Company funds) .....	206
Trust Companies (Guaranteed funds) .....	208
Summary of Incomes and Expenditure of Loan and Trust Corporations .....	210
Average rates of interest earned and dividends paid .....	212
Percentage of Revenue to Capital Investment, etc. ....	213
Quarterly Statements of Deposits and Securities:	
December 31st, 1946 .....	216
June 30th, 1947 .....	217

Orders-in-council granted, empowering the Courts to appoint trust corporations as trustee, administrator, guardians, etc., without security. (R.S.O. 1937, c. 257, sec. 21, or Acts for which the same was substituted.)

#### NAME OF COMPANY

1. Toronto General Trusts Corporation, 10th March, 1882.
2. Crown Trust and Guarantee Company, 19th March, 1897.
3. National Trust Company, Limited, 29th November, 1898.
4. Canada Trust Company, 7th February, 1901.
5. Royal Trust Company, 24th February, 1905.
6. Chartered Trust and Executor Company, 6th April, 1910.
7. Canada Permanent Trust Company, 13th May, 1913.
8. Sterling Trusts Corporation, 20th May, 1914.
9. Capital Trust Corporation, Limited, 22nd September, 1914.
10. Guelph Trust Company, 30th August, 1917.
11. Premier Trust Company, 17th June, 1919.
12. Waterloo Trust and Savings Company, 1st August, 1922.
13. Victoria Trust and Savings Company, 19th December, 1923.
14. Montreal Trust Company, 6th May, 1925.
15. British Mortgage & Trust Corporation of Ontario, 16th September, 1926.
16. Grey and Bruce Trust & Savings Co., 14th October, 1926.
17. Guaranty Trust Company, 16th September, 1927.
18. Northern Trusts Company, 23rd September, 1930.
19. Industrial Mortgage and Trust Company, 9th December, 1930.
20. Brockville Trust and Savings Company, 20th June, 1933.
21. Lambton Trust Company, 13th July, 1938.
22. Eastern Trust Company, 8th February, 1941.

---

List of Loan Corporations whose debentures have been authorized by Orders-in-Council for purposes of investment by trustees. (R.S.O. 1937, c. 165, sec. 27, or Acts for which the same was substituted.)

#### NAME OF CORPORATION

1. Midland Loan and Savings Company, 27th February, 1903.
2. Toronto Mortgage Company, 19th April, 1905.
3. Credit Foncier Franco-Canadien, 28th March, 1929.

---

List of Loan Corporations whose debentures have been authorized by Orders-in-Council for purposes of investment by trustees and with whom trustees may deposit trust funds. (R.S.O. 1937, c. 165, sec. 27, or Acts for which the same was substituted.)

#### NAME OF CORPORATION

1. Canada Permanent Mortgage Corporation, 20th November, 1907.
2. Guelph and Ontario Investment and Savings Society, 23rd March, 1908.
3. The Huron and Erie Mortgage Corporation, 13th May, 1913.
4. Lambton Loan and Investment Company, 28th February, 1914.
5. Ontario Loan and Debenture Company, 20th March, 1914.



List of trust companies approved by Orders-in-Council as trust companies with which a trustee may entrust trust funds for guaranteed investment as set out in The Loan and Trust Corporations Act, in accordance with the provisions of The Trustee Act, 16 Geo. V, c. 40, sec. 27; R.S.O. 1937, c. 165, sec. 26.

1. Toronto General Trusts Corporation, 28th June, 1927.
2. Crown Trust and Guarantee Company, 28th June, 1927.
3. National Trust Company, Limited, 28th June, 1927.
4. Canada Trust Company, 28th June, 1927.
5. Royal Trust Company, 28th June, 1927.
6. Chartered Trust and Executor Company, 28th June, 1927.
7. Canada Permanent Trust Company, 28th June, 1927.
8. Sterling Trusts Corporation, 28th June, 1927.
9. Capital Trust Corporation, Limited, 28th June, 1927.
10. Guelph Trust Company, 28th June, 1927.
11. Premier Trust Company, 28th June, 1927.
12. Waterloo Trust and Savings Company, 28th June, 1927.
13. Victoria Trust and Savings Company, 28th June, 1927.
14. Montreal Trust Company, 28th June, 1927.
15. Grey and Bruce Trust and Savings Company, 28th June, 1927.
16. Industrial Mortgage and Trust Company, 9th December, 1930.
17. Guaranty Trust Company, 20th May, 1931.
18. British Mortgage and Trust Corporation of Ontario, 22nd December, 1931.
19. Brockville Trust and Savings Company, 27th September, 1932.
20. Eastern Trust Company, 3rd November, 1938.

---

---

# I. LOAN CORPORATIONS

Corporations Having Permanent Stock Only

---

DETAILED REPORTS OF THE SEVERAL  
CORPORATIONS

---

---



# CANADA PERMANENT MORTGAGE CORPORATION

Head Office, Toronto, Ontario

## OFFICERS

President—E. D. GOODERHAM                      General Manager—CHARLES S. ROBERTSON  
Vice-Presidents—CHARLES S. ROBERTSON      Secretary—WALTER F. WATKINS  
F. S. CORRIGAN

## DIRECTORS

E. D. GOODERHAM	G. HAROLD AIKINS, K.C.
ROY L. WARREN	HENRY S. GOODERHAM
T. D'ARCY LEONARD, K.C., C.B.E.	F. S. CORRIGAN
CHARLES S. ROBERTSON	SAMUEL ROGERS, K.C.
LEIGH M. MCCARTHY	JOHN A. MACAULAY, K.C.

Auditors—KRIS A. MAPP, F.C.A., of Henry Barber, Mapp & Mapp.  
D. MCK. MCCLELLAND, F.C.A., of Price, Waterhouse & Co.

## CAPITAL

Amount of Capital Stock authorized (200,000 shares of \$100.00 each)	\$20,000,000 00
Amount subscribed	7,000,000 00
Amount paid in cash	7,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

1. Office premises		\$ 3,093,300 00
2. Book value of real estate held for sale:		
(a) Freehold land (including buildings)	\$ 45,399 25	
(b) Held under power of sale, etc.	7,128 63	
		52,527 88
3. Amount secured by mortgages on real estate including:—		
First mortgages	\$35,741,849 01	
Agreements for sale	3,839,558 41	
Interest due (Cr.)	76,339 32	
Interest accrued	144,134 67	
		39,649,202 77
(See Schedule B)		
4. Amount of loans secured by stocks, bonds and other collateral:—		
Principal	\$ 104,287 91	
Interest due	166 31	
		104,454 22
5. Deposit with Trust Company for investment:		
Principal	\$ 37,963 59	
Interest accrued	1,091 40	
		39,054 99
6. Book value of bonds and debentures:—		
(a) Government and Government Guaranteed:		
Dominion	\$20,428,670 01	
Interest accrued	135,846 84	
		\$20,564,516 85
(b) Provincial and Provincial Guaranteed	\$ 1,705,973 34	
Interest accrued	10,932 44	
		1,716,905 78
(c) Canadian municipalities, school districts and rural telephone companies	\$ 538,164 70	
Interest accrued	3,973 27	
		542,137 97
(d) All other bonds	\$ 839,823 48	
Interest accrued	4,439 69	
		844,263 17
		23,667,823 77
7. Book value of stocks	\$ 3,644,074 37	
Accrued dividends thereon	4,652 75	
		3,648,727 12
8. Cash on hand		217,059 04
9. Cash on deposit with chartered banks in Canada, \$3,834,022.82; elsewhere, \$156,252.48		3,990,275 30
Total Assets		\$74,462,425 09



## CANADA PERMANENT MORTGAGE CORPORATION—Continued

## Liabilities

## To the Public

1. Amount of debentures issued and outstanding:—		
(a) Payable in Canada .....	\$28,948,890 54	
Interest due and accrued .....	408,198 09	
	<u>\$ 29,357,088 63</u>	
(b) Payable elsewhere than in Canada .....	\$ 1,893,614 15	
Interest due and accrued .....	8,197 52	
	<u>1,901,811 67</u>	
		<u>\$31,258,900 30</u>
2. Amount of money deposited with the corporation .....		29,353,412 51
3. Taxes other than taxes on real estate .....		100,000 00
4. Dividends to shareholders declared and unpaid .....		140,000 00
5. Other expenses due and accrued .....		1,655 92
6. Investment reserves .....		1,033,367 34
7. All other liabilities .....		46,198 69
Total .....		<u>\$61,933,534 76</u>
<b>To Shareholders</b>		
8. Paid-in capital .....		\$ 7,000,000 00
9. Reserve fund .....		5,000,000 00
10. Balance of Profit and Loss Account .....		528,890 33
Total .....		<u>\$12,528,890 33</u>
Total Liabilities .....		<u>\$74,462,425 09</u>

## REVENUE ACCOUNT

## Income

1. Rents earned, net on office premises .....		\$ 129,868 38
2. Interest and Dividends earned on:—		
(a) Mortgages and agreements for sale .....	\$ 1,971,234 80	
(b) Collateral loans .....	5,675 83	
(c) Bonds and debentures .....	677,336 45	
(d) Dividends on stocks .....	156,658 88	
(e) Bank deposits .....	27,613 26	
		<u>2,838,519 22</u>
3. Profit on sale of securities and real estate .....		63,856 36
4. Agency fees and commissions earned .....		163,016 42
5. All other revenue for the year .....		73,657 71
Total .....		<u>\$ 3,128,679 92</u>

## Expenditure

6. Interest incurred during the year on:—		
(a) Debentures .....	\$ 991,264 02	
(b) Deposits .....	461,327 66	
		<u>\$ 1,452,591 68</u>
7. Loss on sale of securities and real estate .....		108,207 54
8. Amount by which ledger values of assets were written down .....		163,016 42
9. Payment to Staff Pension and Insurance Fund .....		65,298 39
10. License fees and taxes other than taxes on real estate:—		
(a) Dominion .....	\$ 6,183 37	
(b) Provincial .....	2,523 09	
(c) Municipal .....	16,855 36	
(d) British .....	226 30	
		<u>25,788 12</u>
11. Commissions on loans .....		34,618 75
12. All other expenses incurred:—		
(a) Salaries .....	\$ 391,996 61	
(b) Directors' fees .....	15,600 00	
(c) Auditors' fees .....	21,753 33	
(d) Legal fees .....	4,017 44	
(e) Rents .....	78,350 00	
(f) Travelling expenses .....	14,905 79	
(g) Printing and stationery .....	11,603 84	
(h) Advertising .....	12,866 37	

**CANADA PERMANENT MORTGAGE CORPORATION—Continued**

(i) Postage, telegrams, telephones and express . . . . .	\$ 13,600 58	
(j) Commission on sale of Debentures . . . . .	7,452 60	
(k) Net expense on real estate held for sale . . . . .	3,242 30	
(l) Miscellaneous . . . . .	118,425 70	
		\$ 693,814 56
13. Net profit transferred to Profit and Loss Account . . . . .		585,344 46
Total . . . . .		<u>\$ 3,128,679 92</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year . . . . .	\$ 503,545 87
2. Amount transferred from Revenue Account . . . . .	585,344 46
Total . . . . .	<u>\$ 1,088,890 33</u>
3. Dividends to shareholders declared during year . . . . .	\$ 560,000 00
4. Balance of account at 31st December, 1946 . . . . .	528,890 33
Total . . . . .	<u>\$ 1,088,890 33</u>

**MISCELLANEOUS**

- Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.250%; (b) Debentures payable elsewhere, 3.034%; (c) Deposits, 1.711%.  
Current rate paid—(a) 2½% and 2¾%; (b) 2⅝%; (c) 2%.
- Average rate of interest per annum earned by the Corporation during the year on:  
(a) Mortgages and agreements for sale of realty, 5.219%.  
(b) Collateral Loans, 3.673%.  
(c) Bonds and debentures, 3.053%.  
(d) Stocks owned, 4.788%.
- Mortgage loans written off—\$66,361.18; principal, \$62,611.54; interest, \$3,749.64.
- Fidelity Bonds on officers of the Corporation, \$100,000 on any one person, and covering all members of staff.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) February 13th, 1946; (b) April 1st, 1946; (c) 2%.  
(a) May 15th, 1946; (b) July 2nd, 1946; (c) 2%.  
(a) August 14th, 1946; (b) October 1st, 1946; (c) 2%.  
(a) November 20th, 1946; (b) January 2nd, 1947; (c) 2%.
- Date appointed for the Annual Meeting—January 31st, 1947.  
Date of last Annual Meeting—February 1st, 1946.
- Special General Meetings held during year—September 12th.
- Amount of mortgage interest permanently capitalized during the year (exclusive of \$4,613.34 of interest on mortgages transferred to properties on hand) \$ 20,292 35
- Amount of Company's own Debentures and interest, due and unpaid:  
Principal 91,414 00  
Interest 39,442 57

**CONSTATING INSTRUMENTS**

This Corporation was incorporated under Special Act of the Dominion of Canada, 62-63 Victoria (1899), c. 101, under the name of "The Canada Permanent and Western Canada Mortgage Corporation," for the purpose of acquiring the assets and business of the Canada Permanent Loan and Savings Company, the Western Canada Loan and Savings Company, the Freehold Loan and Savings Company, and The London and Ontario Investment Company, Limited, which several purchases were confirmed by Special Act of Ontario 63 Victoria, 1900, c. 129. The name was changed to the "Canada Permanent Mortgage Corporation" by 3, Edward VII (1903), c. 94 (D), which Act also amended its lending powers. By 3-4 George V (1913), c. 86 (D), further amendments were made to the Incorporating Act.

Of the constituent companies, the Canada Permanent Loan and Savings Company was incorporated by declaration filed under The Building Societies Act. (Cons. Stat. U.C., c. 53) in 1855, under the name of the Canada Permanent Building and Savings Society, which name was changed to the Canada Permanent Loan and Savings Company by 37 Victoria (Ontario), 1874, c. 100.

The Western Canada Loan and Savings Company was also incorporated by declaration filed under The Building Societies Act in 1863, under the name of the Western Canada Permanent Building and Savings Society, and its name was changed to the Western Canada Loan and Savings Company by 37 Victoria (Ontario), 1874, c. 79.

## CANADA PERMANENT MORTGAGE CORPORATION—Continued

The Freehold Loan and Savings Company was also incorporated by declaration filed under The Building Societies Act in 1859 under the name of The Freehold Permanent Building and Savings Society; the name being changed to The Freehold Loan and Savings Company by 36 Victoria (Ontario), 1873 c. 104.

The London and Ontario Investment Company was incorporated by the Act of Ontario 39 Victoria, 1876, c. 62.

In 1918 the Corporation purchased the assets and business of The Oxford Permanent Loan and Savings Society, which purchase was ratified by Order-in-Council of Ontario, dated July 31, 1918, pursuant to The Loan and Trust Corporations Act.

In 1921, the Corporation purchased the assets and business of The London and Canadian Loan and Agency Company, Limited, which purchase was ratified by Order-in-Council of Ontario, dated September 23rd, 1921, pursuant to The Loan and Trust Corporations Act.

In 1927 the Corporation purchased the assets and business of The Royal Loan and Savings Company, which purchase was ratified by Order-in-Council of Ontario, dated March 4th, 1927, pursuant to The Loan and Trust Corporations Act.

In 1927 the Corporation purchased the assets and business of The British Columbia Permanent Loan Company, Vancouver, B.C.

In 1927 the Corporation purchased the assets and business of The Canada Landed and National Investment Company, Limited, which purchase was ratified by Order-in-Council of Ontario, dated December 30th, 1927, pursuant to The Loan and Trust Corporations Act.

In 1944, the Corporation purchased the assets and business of The Landed Banking and Loan Company, which purchase was ratified by Order-in-Council of Ontario, dated October 18th, 1944, pursuant to The Loan and Trust Corporations Act.

In 1945, the Corporation purchased the assets and business of The Real Estate Loan Company of Canada, Limited, which purchase was ratified by Order-in-Council of Ontario, dated February 2nd, 1945, pursuant to The Loan and Trusts Corporations Act.

In 1946 the Corporation purchased the assets and business of The Montreal Loan and Mortgage Company, Montreal, Que.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal and Charges Outstanding	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
(a) Farm	(b) Urban					
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario	(a)	646,570 10	cr. 3,366 70	3,633 94	646,837 34	58,917 88
Ontario	(b)	20,54,053 06	cr. 62,806 42	83,616 61	20,374,863 25	112,969 02
Quebec	(b)	7,686,819 45	cr. 30,609 63	30,931 37	7,687,141 19	53,817 19
Manitoba	(a)	1,066,752 19	1,331 46		1,068,083 65	3,475 80
Manitoba	(b)	818,625 26	2,941 41		821,566 67	257 34
British Columbia	(a)	91,476 15	cr. 4,502 66	658 08	87,631 57	9,218 02
British Columbia	(b)	2,579,251 37	9,220 03	1,609 35	2,590,080 75	
New Brunswick	(a)	8,841 51	96 00	86 39	9,023 90	
New Brunswick	(b)	1,702,409 15	4,050 16	1,057 78	1,707,517 09	
Prince Edward Island	(b)	284,010 00	437 25	94 58	284,541 83	
Alberta	(a)	665,533 74	6,070 16	4,760 28	676,364 18	5,404 34
Alberta	(b)	223,238 73	817 39	149 63	224,205 75	
Saskatchewan	(a)	1,297,075 97	cr. 946 08	7,154 24	1,303,284 13	36,807 00
Saskatchewan	(b)	346,512 29	cr. 295 01	1,448 96	347,666 24	
Nova Scotia	(a)	43,824 76	358 16	238 26	44,421 18	
Nova Scotia	(b)	1,899,891 61	865 16	8,695 20	1,909,451 97	
Total	(a)	3,820,074 42	cr. 959 66	16,531 19	3,835,645 95	113,823 04
Total	(b)	35,894,810 92	cr. 75,379 66	127,603 48	35,947,034 74	167,043 55
Grand Total		39,714,885 34	cr. 76,339 32	144,134 67	39,782,680 69	280,866 59
Less Investment Reserves		133,477 92			133,477 92	
Net Total		39,581,407 42	cr. 76,339 32	144,134 67	39,649,202 77	280,866 59

# THE CENTRAL CANADA LOAN AND SAVINGS COMPANY

Head Office, Toronto, Ontario

## OFFICERS

President and Managing Director—G. A. MORROW

Secretary—W. J. HASTIE

## Vice-Presidents

HON. LEIGHTON MCCARTHY, P.C., K.C.

W. J. HASTIE

GRAHAM MORROW, O.B.E.

## DIRECTORS

G. A. MORROW

A. H. COX

R. A. LAIDLAW

GRAHAM MORROW, O.B.E.

HON. LEIGHTON MCCARTHY, P.C., K.C.

W. J. HASTIE

H. D. BURNS

W. M. O'CONNOR

H. C. COX

S. H. LOGAN

JOHN L. C. MCCARTHY

FRANK P. WOOD

Auditors—H. FRANK VIGEON, C.A.; H. CECIL BROWN, C.A.

## CAPITAL

Amount of Capital Stock authorized (50,000 shares of \$100.00 each)	\$ 5,000,000 00
Amount subscribed	2,500,000 00
Amount paid in cash	2,500,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

1. Office premises	\$ 100,000 00
2. Amount secured by mortgages on real estate including:	
First mortgages	\$ 24,127 67
Agreements for sale	38,010 93
	<u>62,138 60</u>

### (See Schedule B)

3. Amount of loans secured by stocks, bonds and other collateral:	
Principal	10,600 00
4. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 525,000 00
(b) Provincial and Provincial Guaranteed	25,000 00
(c) Canadian municipalities in Ontario	12,545 00
(d) All other bonds	512,200 40
	<u>1,074,745 40</u>
5. Book value of stocks	3,889,441 00
6. Cash on deposit with chartered banks in Canada, \$23,032.84; elsewhere, \$392.75	23,425 59
Total Assets	<u>\$ 5,160,350 59</u>

### Liabilities

#### To the Public

1. Taxes other than taxes on real estate	\$ 25,000 00
2. Dividends to shareholders declared and unpaid	50,000 00
3. Investment reserves	228,519 19
Total	<u>\$ 303,519 19</u>



## THE CENTRAL CANADA LOAN AND SAVINGS COMPANY—Continued

*To Shareholders*

4. Paid-in capital .....	\$ 2,500,000 00
5. Reserve fund .....	2,100,000 00
6. Balance of Profit and Loss Account .....	256,831 40
<b>Total .....</b>	<b>\$ 4,856,831 40</b>
<b>Total Liabilities .....</b>	<b>\$ 5,160,350 59</b>

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> on office premises .....	\$ 2,191 13
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale .....	\$ 4,341 01
(b) Collateral loans .....	542 49
(c) Bonds and debentures .....	38,575 89
(d) Dividends on stocks .....	220,658 75
(e) Bank deposits and exchange .....	201 37
	<hr/>
	264,319 51
3. Profit on sale of securities and real estate .....	41,607 13
4. Amount by which ledger values of assets were written up .....	100 00
5. All other revenue for the year .....	16,000 00
6. Net income on real estate held for sale .....	981 20
	<hr/>
<b>Total .....</b>	<b>\$ 325,198 97</b>

## Expenditure

7. Loss on sale of securities and real estate .....	\$ 15 00
8. Amount by which ledger value of assets were written down .....	10,396 20
9. License fees and taxes other than taxes on real estate:	
(a) Dominion .....	\$ 13,900 00
(b) Provincial .....	311 26
(c) Municipal .....	803 00
(d) Appropriation for taxes payable in 1947 .....	25,000 00
	<hr/>
	40,014 26
10. Commission on loans and on sale of real estate .....	940 00
11. Amount transferred to Investment Reserves .....	10,000 00
12. All other expenses incurred:	
(a) Salaries .....	\$ 25,060 00
(b) Directors' fees .....	6,125 00
(c) Auditors' fees .....	300 00
(d) Legal fees .....	373 55
(e) Rents .....	3,625 00
(f) Printing and stationery .....	333 14
(g) Postage, telegrams, telephones and express .....	697 06
(h) Miscellaneous .....	9,755 22
	<hr/>
	46,268 97
13. Net profit transferred to Profit and Loss Account .....	217,564 54
<b>Total .....</b>	<b>\$ 325,198 97</b>

## THE CENTRAL CANADA LOAN AND SAVINGS COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 239,266 86
2. Amount transferred from Revenue Account	217,564 54
Total	<u>\$ 456,831 40</u>
3. Dividends to shareholders declared during year	\$ 200,000 00
4. Balance of account at 31st December, 1946	256,831 40
Total	<u>\$ 456,831 40</u>

## MISCELLANEOUS

- Average rate of interest per annum earned by the Corporation during the year on:
  - Mortgages and agreements for sale of realty, 6.98%.
  - Collateral loans, 5%.
  - Bonds and debentures, 3.58%.
  - Stocks owned, 5.67%.
- Loans written off, \$2.70.
- Fidelity Bonds on officers of the Corporation: All officers and staff covered by a Fidelity Bond for a total of \$61,000.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - December, 1945; (b) January 2nd; (c) 2%.
  - January, 1946; (b) April 1st; (c) 2%.
  - June, 1946; (b) July 2nd; (c) 2%.
  - September, 1946; (b) October 1st; (c) 2%.
- Date appointed for the Annual Meeting—January 15th, 1947.  
Date of last Annual Meeting—January 16th, 1946.

## CONSTATING INSTRUMENTS

1884—Letters Patent (under the Ontario Government Joint Stock Companies' Letters Patent Act) incorporating The Central Canada Loan and Savings Company of Ontario, with a capital of \$2,000,000, in 20,000 shares of \$100 each, dated 7th March, 1884.

1890—Act (of the Legislature of the Province of Ontario), 53 Vic., c. 129; declares capital to be \$5,000,000, in 50,000 shares of \$100 each; confirms the purchase of the assets of the Peterborough Real Estate Investment Company, Limited; authorizes the issue of debenture stock; authorizes agencies in the United Kingdom; defines the limit of borrowing powers.

1893—Supplementary Letters Patent (of the Province of Ontario), dated 8th June, 1893, extending the Company's purchasing and lending powers with regard to bonds, stocks and debentures to the Province of Manitoba.

1896—Act (of the Legislature of the Province of Manitoba), 59 Vic., c. 33, authorizes Company to exercise in the Province of Manitoba, with respect to real and personal property, all the rights, powers and privileges that it possesses in Ontario.

1897—Supplementary Letters Patent (of Ontario), dated 6th May, 1897, amending the original Letters Patent by expunging therefrom powers of Company to buy and sell land.

1898—Act (of the Parliament of the Dominion of Canada), 61 Vic., c. 97.

1899—Act (of the Legislature of the Province of Manitoba) authorizing Dominion Company to exercise in Manitoba all its rights, powers and privileges; defining the powers of the Company and vesting all the assets of the old company in the new company.

1900—Act (of the Legislature of the Province of Ontario), confirming and validating the conveyance and assignment of 1st December, 1898 (see form of the conveyance and assignment in schedule to 61 Vic., c. 97), and transferring and vesting the assets of the Provincial Company in the Dominion Company.

## THE CENTRAL CANADA LOAN AND SAVINGS COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal Outstanding	Charges Outstanding	Totals	Amount of Interest Due and Not Charged
(a) Farm	(b) Urban				
		\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....	(b)	20,728 89	.....	20,728 89	.....
Alberta.....	(a)	3,398 78	.....	3,398 78	307 50
		24,127 67	.....	24,127 67	.....
Agreements for Sale					
Ontario.....	(b)	33,887 30	235 42	34,122 72	573 44
Alberta.....	(a)	216 68	.....	216 68	.....
Manitoba.....	(a)	3,671 53	.....	3,671 53	222 10
		37,775 51	235 42	38,010 93	.....
Total.....	(a)	7,286 99	.....	7,286 99	.....
Total.....	(b)	54,616 19	.....	54,851 61	.....
Grand Total.....		61,903 18	235 42	62,138 60	1,103 04

**CREDIT FONCIER FRANCO-CANADIEN**

Head Office, Montreal Quebec

**OFFICERS**

**President—COMTE CAHEN D'ANVERS**      **Vice-President—HON. C. P. BEAUBIEN**  
**General Manager—VICOMTE DE ROUMEFORT**  
**Assistant General Managers—M. PASQUIN; ARMAND CHEVALIER**  
**General Secretary—JACQUES DE LAVERGNE**

**DIRECTORS**

COMTE CAHEN D'ANVERS	OLIVIER MOREAU NERET
HON. C. P. BEAUBIEN	HON. E. L. PATENAUDE
ANDRE DEBRAY	VICOMTE DE ROUMEFORT
E. FOURET	M. STERN
SENATOR LEON-MERCIER GOUIN	PIERRE VINSON
J. T. LECLERC	

Censors—J. MIGNOT (France); A. SURYEYER and E. CHOLETTE (Montreal)

Auditors—J. ARTHUR W. ARCHAMBAULT; MAURICE CHARTRE, Chartered Accountants

**CAPITAL**

Amount of Capital Stock authorized (100,000 Shares of French Francs 500 each)	French Francs	50,000,000
Amount subscribed	French Francs	50,000,000
Amount paid in cash (French Francs 50,000,000) carried as		\$ 9,647,667 19

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Office premises		\$ 378,601 00
2. Book value of real estate held for sale: Freehold land (including buildings)		1,720,057 70
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 28,383,886 52	
Agreements for sale	1,208,248 66	
Interest due	218,670 69	
Interest accrued	167,184 48	
		29,977,990 35

*(See Schedule B)*

4. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 34,032 00	
Interest accrued	87 58	
		34,119 58
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$13,217,695 97	
Interest accrued	73,909 66	
	\$13,291,605 63	
(b) Provincial and Provincial Guaranteed	\$ 2,174,751 45	
Interest accrued	15,800 41	
		2,190,551 86
(c) Canadian municipalities, school districts and rural telephone companies	\$ 580,736 89	
Interest accrued	6,136 79	
		586,873 68
(d) All other bonds	\$ 727,914 17	
Interest accrued	4,487 53	
		732,401 70
6. Cash on hand		16,801,432 87
		12,719 86



**CREDIT FONCIER FRANCO-CANADIEN—Continued**

7. Cash on deposit with chartered banks in Canada, \$1,118,863.77; elsewhere, \$207,484.25	\$ 1,326,348 02
8. All other assets	758,434 40
<b>Total Assets</b>	<b>\$51,009,703 78</b>

**Liabilities****To the Public**

1. Amount of debentures and debenture stock issued and outstanding:	
(a) Payable in Canada	\$10,281,987 88
Interest due and accrued	1,067,237 82
	<u>\$11,349,225 70</u>
(b) Payable elsewhere than in Canada	\$ 9,056,941 90
Interest due and accrued	2,286,606 12
	<u>11,343,548 02</u>
	\$22,692,773 72
2. Difference in exchange	4,361,460 36
3. Suspense Profit Account	1,500,436 75
4. Taxes other than taxes on real estate—Income Tax Provisions	824,607 61
5. Dividends to shareholders declared and unpaid (including Founders' Shares and Distribution to Directors)	2,210,120 41
6. Salaries, rents and other expenses due and accrued	19,272 31
7. Investment reserves	5,358,052 06
8. All other liabilities	760,556 79
<b>Total</b>	<b>\$37,727,280 01</b>

**To Shareholders**

9. Paid-in Capital—French frcs. 50,000,000—carried at	\$ 9 647,667 19
10. Reserve fund—Statutory Reserve (Art. 109 of the Charter)	1,921,673 72
11. General Contingency Reserve—Provident Fund (Art. 109 of the Charter)	900,000 00
12. Balance of Profit and Loss Account	813,082 86
<b>Total</b>	<b>\$13,282,423 77</b>
<b>Total Liabilities</b>	<b>\$51,009,703 78</b>

**REVENUE ACCOUNT****Income**

1. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale	\$ 1,741,062 17
(a) Collateral loans	1,132 37
(c) Bonds and debentures	412,033 69
(d) Bank deposits	9,401 71
	<u>\$ 2,163,629 94</u>
2. Profit on sale of securities and real estate	282,403 36
3. Profit on redemption of our Debentures	2,596 79
<b>Total</b>	<b>\$ 2,448,630 09</b>

**Expenditure**

4. Interest incurred during the year on:	
Debentures and debenture stock	\$ 698,935 46
5. License fees and taxes other than taxes on real estate:	
(a) Dominion (Suspense re Income Tax)	\$ 300,000 00
(b) Provincial	858 05
(c) Municipal	3,413 43
(d) French Government Taxes	104,405 05
	<u>408,676 53</u>
6. Commission on loans	55,556 91
7. Amount transferred to Investment Reserves	275,000 00

**CREDIT FONCIER FRANCO-CANADIEN—Continued**

## 8. All other expenses incurred:

(a) Salaries .....	\$ 293,098 95
(b) Directors' fees .....	3,360 00
(c) Auditors' fees .....	12,500 00
(d) Legal fees .....	5,998 39
(e) Rents .....	5,125 71
(f) Travelling expenses .....	32,767 05
(g) Printing and Stationery .....	3,737 27
(h) Advertising .....	13,130 00
(i) Postage, telegrams, telephones and express .....	11,138 49
(j) Maintenance of Office Premises .....	48,664 95
(k) Miscellaneous .....	118,245 66
	<u>\$ 547,766 47</u>

9. Net profit transferred to Profit and Loss Account .....

462,694 72

Total .....

\$ 2,448,630 09

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year .....

\$ 776,961 80

2. Amount transferred from Revenue Account .....

462,694 72

Total .....

\$ 1,239,656 52

3. Dividends to shareholders declared during year .....

\$ 359,012 50

Distribution to the Directors .....

22,888 64

Distribution to the Founders .....

22,888 64

4. Amount transferred to Reserve Fund .....

21,783 88

5. Balance of account at 31st December, 1946 .....

813,082 86

Total .....

\$ 1,239,656 52

**MISCELLANEOUS**

## 1. Rate of interest per annum paid by the Corporation:

Average rate for year—(a) Debentures payable in Canada, 3.9814%; (b) Debentures payable elsewhere, 4.2580%.

Current rate paid—(a) Debentures payable in Canada, 2%, 2½%, 2¼%, 2¾%, 3%, 3¼%, 3½%, 5%; (b) Debentures payable elsewhere, 3.8184% and 4.3276%.

## 2. Average rate of interest per annum earned by the Corporation during the year on:

(a) Mortgages and agreements for sale of realty, 5.5599%; (b) Collateral Loans, 3.0502%; (c) Bonds and Debentures, 2.5315%.

## 3. Loans written off, \$174,102.98.

## 4. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:

(a) May 21st, 1946; (b) June 1st, 1946; (c) 3.7212%.

## 5. Date appointed for the Annual Meeting—May 26th, 1947.

Date of last Annual Meeting—May 21st, 1946.

6. Amount of interest permanently capitalized during the year .....

\$ 4,460 47

(net decapitalization)

Gross amount capitalized \$18,973.62, less an amount of \$23,434.09 decapitalized following cancellation of Standard Renewal Agreements.

7. Amount of Company's own Debentures and interest thereon, due and unpaid .....

4,531,528 61

**CONSTATING INSTRUMENTS**

**PROVINCE OF QUEBEC:**

43-44 V., c. 60—An Act to incorporate the Company. Schedule A to the Act contains the original constitution and laws of the Company.

**Amendments:**

45 V., c. 84—Amends 43-44 Vic., c. 60.

47 V., c. 62—Schedule A to the Act contains the revised constitution and laws of the Company.

63 V., c. 74—An Act to amend the Charter of the Credit Foncier Franco-Canadien.

## CREDIT FONCIER FRANCO-CANADIEN—Continued

7 Ed. VII, c. 99—Ditto.

8 Geo. VI, c. 82—Ditto.

## PROVINCE OF ONTARIO:

44 V., c. 51—Empowers the Company to establish branch offices in Ontario, to lend money, hold real estate in the Province, etc.

## DOMINION OF CANADA:

44 V., c. 58—Section 13 defines the Company's borrowing powers. (See also 62-63 Vic., c. 41, S. 20.)

46 V., c. 85—Assimilates the powers of the Company to those of other Loan Companies.

11-12 Geo. V., c. 80—Amendment.

55-56 V., c. 29—(D. Criminal Code, 1892) by sec. 205 (6d) exempts the Company from the general law prohibiting lotteries.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal Outstanding	Charges Outstanding	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Quebec.....(a)	113,472 00	715 62	3,076 28	547 15	117,811 05	
Quebec.....(b)	14,082,632 06	25,035 26	66,471 76	75,566 37	14,249,705 45	
Ontario.....(a)	10,335 83		221 81	156 82	10,714 46	
Ontario.....(b)	2,616,697 36	5,341 92	5,557 29	11,970 77	2,669,567 34	1,730 64
Manitoba.....(a)	79,075 58	2,656 14	616 83	604 51	82,953 06	
Manitoba.....(b)	7,513,038 70	26,389 56	64,123 91	36,783 44	7,640,335 61	
British Columbia (a)						
" " (b)	3,493,876 28	44,303 81	28,294 00	16,775 94	3,588,250 03	
Alberta.....(a)	820,266 27	107,026 46	72,374 13	4,525 69	1,004,192 55	34,160 63
Alberta.....(b)	649,144 00	9,972 46	6,172 11	2,699 28	667,987 85	835 28
Saskatchewan. (a)	1,774,838 61	11,987 47	119,738 06	14,815 79	1,921,379 93	50,463 11
Saskatchewan. (b)	627,816 37	7,068 52	4,831 68	2,738 72	642,455 29	
Total (a)....	2,797,988 29	122,385 69	196,027 11	20,649 96	3,137,051 05	84,623 74
Total (b)....	29,018,204 77	118,111 53	175,450 75	146,534 52	29,458,301 57	2,565 92
Grand Total.....	31,816,193 06	240,497 22	371,477 86	167,184 48	32,595,352 62	87,189 66

**GUELPH AND ONTARIO INVESTMENT AND SAVINGS SOCIETY****Head Office, Guelph, Ontario****OFFICERS****President—J. R. HOWITT, K.C.****First Vice-President—JOHN R. PHIN****Second Vice-President—J. M. PURCELL****Manager and Secretary-Treasurer—H. L. BENALLICK****DIRECTORS****J. R. HOWITT, K.C.****JOHN R. PHIN****J. M. PURCELL****JOHN ARMSTRONG****G. ALEX FORBES****DR. H. O. HOWITT****R. FORBES AULD****W. P. GAMBLE****Auditors—J. F. SCULLY, C.A.; N. J. WHITE, C.A.****CAPITAL**

<b>Amount of Capital Stock authorized (20,000 shares of \$50.00 each)</b>	<b>\$ 1,000,000 00</b>
<b>Amount subscribed</b>	<b>965,200 00</b>
<b>Amount paid in cash</b>	<b>965,200 00</b>

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Office premises		\$ 23,847 06
2. Book value of real estate held for sale:		
(a) Freehold land (including buildings)	\$ 15,474 10	
(b) Held under power of sale, etc.	1,651 10	
		17,125 20
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 3,341,415 66	
Agreements for sale	176,241 52	
Interest due	3,537 14	
Interest accrued	21,041 36	
		3,542,235 68

*(See Schedule B)*

4. Amount of loans secured by stocks, bonds and other collateral: (There is included in the collateral \$4,200.00 of the Company's own stock upon which \$4,200.00 has been paid.)		
Principal	\$ 14,609 32	
Interest due	258 19	
Interest accrued	93 98	
		14,961 49
5. Book value of bonds and debentures:		
(a) Dominion Government	\$ 2,008,286 77	
Interest accrued	16,177 58	
	\$ 2,024,464 35	
(b) Provincial	\$ 130,595 49	
Interest accrued	1,798 94	
		132,394 43
(c) Canadian municipalities	\$ 30,873 24	
Interest accrued	770 07	
		31,643 31
(d) All other bonds	\$ 36,827 10	
Interest accrued	455 10	
		37,282 20
		2,225,784 29
6. Book value of stocks	\$ 260,239 70	
Accrued dividends thereon	6,497 92	
		266,737 62
7. Cash on hand		31,435 27
8. Cash on deposit with chartered banks in Canada		345,441 41
<b>Total Assets</b>		<b>\$ 6,467,568 02</b>



**GUELPH AND ONTARIO INVESTMENT AND SAVINGS SOCIETY—Continued****Liabilities***To the Public*

1. Amount of debentures:		
Payable in Canada	\$ 2,639,541 60	
Interest due and accrued	41,379 53	
		\$ 2,680,921 13
2. Amount of money deposited with the Corporation, including interest accrued thereon to December 31st, 1946		2,213,508 49
3. Reserved for Government Taxes		17,097 17
4. Dividends to shareholders declared and unpaid		24,130 00
5. All other liabilities		14,107 21
Total		<u>\$ 4,949,764 00</u>

*To Shareholders*

6. Paid-in Capital	\$ 965,200 00	
7. Reserve fund	519,435 00	
8. Balance at credit of Profit and Loss Account	33,169 02	
Total		<u>\$ 1,517,804 02</u>
Total Liabilities		<u><u>\$ 6,467,568 02</u></u>

**REVENUE ACCOUNT****Income**

1. Rents earned, net on office premises		\$ 6,965 74
2. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 192,829 84	
(b) Collateral loans	753 53	
(c) Bonds and debentures	72,169 59	
(d) Dividends on stocks	12,985 42	
(e) Bank deposits	36 89	
		278,775 27
3. Profit on exchange		1,761 10
4. All other revenue for the year		550 00
Total		<u><u>\$ 288,052 11</u></u>

**Expenditure**

5. Interest incurred during the year on:		
(a) Debentures	\$ 85,596 65	
(b) Deposits	32,341 07	
		\$ 117,937 72
6. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 24,480 59	
(b) Provincial	275 50	
(c) Municipal	839 07	
		25,595 16
7. Commission on loans and debentures		3,754 28
8. Transferred to Staff Pension Fund		5,000 00
9. Amount transferred to Investment Reserves		35,000 00
10. Transferred to Reserve for Depreciation on Office Premises		2,116 05
11. All other expenses incurred:		
(a) Salaries	\$ 26,555 85	
(b) Directors' fees	3,811 60	
(c) Auditors' fees	1,400 00	

**GUELPH AND ONTARIO INVESTMENT AND SAVINGS SOCIETY—Continued**

(d) Legal fees .....	\$ 554 34	
(e) Travelling expenses and commission on collections .....	4,903 58	
(f) Printing and stationery .....	3,465 16	
(g) Advertising .....	1,006 58	
(h) Postage, telegrams, telephones and express .....	1,203 95	
(i) Maintenance of Office Premises .....	2,020 01	
(j) Miscellaneous .....	3,497 59	
	<hr/>	\$ 48,418 66
12. Net profit transferred to Profit and Loss Account .....		50,230 24
Total .....		<hr/> <b>\$ 288,052 11</b> <hr/>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year .....	\$ 31,198 78
2. Amount transferred from Revenue Account .....	50,230 24
Total .....	<hr/> <b>\$ 81,429 02</b> <hr/>
3. Dividends to shareholders declared during year .....	\$ 48,260 00
4. Balance at credit of account at 31st December, 1946 .....	33,169 02
Total .....	<hr/> <b>\$ 81,429 02</b> <hr/>

**MISCELLANEOUS**

- Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.2881%; (b) Deposits, 1.4834%.  
Current rate paid—Debentures (a) 2% for 2 years, 2½% for 3, 4 or 5 years. Deposits 1½%.
- Average rate of interest per annum earned by the Corporation during the year on:
  - Mortgages and agreements for sale of realty, 5.0529%.
  - Collateral loans, 5.7562%.
  - Bonds and debentures, 3.4019%.
  - Stocks owned, 5%.
- Fidelity Bonds on officers of the Corporation: All employees covered by Blanket Fidelity Bond for \$100,000.00 on any one officer or clerk.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - June 5th, 1946; (b) July 2nd, 1946; (c) 2½%.
  - December 11th, 1946; (b) January 2nd, 1947; (c) 2½%.
- Date appointed for the Annual Meeting—February 26th, 1947.  
Date of last Annual Meeting—February 27th, 1946.
- Amount of interest permanently capitalized during the year ..... \$ 1,060 42 |
- Amount of Company's own debentures and interest thereon, due and unpaid ..... 21,531 57 |

**CONSTATING INSTRUMENTS**

Incorporated under The Building Societies Act (Consol. Statutes U.C., chapter 53), by declaration filed with the Clerk of the Peace for the County of Wellington, January 19th, 1876.

The lending and the borrowing powers are governed by The Loan and Trust Corporations Act, R.S.O. 1937, c. 257.

## GUELPH AND ONTARIO INVESTMENT AND SAVINGS SOCIETY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) farm (b) urban	Principal Out- standing	Charges Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....(a)	70,263 40	20 00	502 74	1,356 80	72,142 94	.....
Ontario.....(b)	3,529,631 89	783 78	1,729 83	19,684 56	3,551,830 06	.....
Manitoba.....(a)	4,024 47	24 92	.....	.....	4,049 39	.....
Manitoba.....(b)	.....	.....	.....	.....	.....	.....
Saskatchewan.....(a)	107,324 77	1,680 67	862 64	.....	109,868 08	.....
Saskatchewan.....(b)	21,708 00	.....	.....	.....	21,708 00	.....
Alberta.....(a)	95,110 66	208 53	441 93	.....	95,761 12	.....
Alberta.....(b)	.....	.....	.....	.....	.....	.....
<b>Total.....(a)</b>	276,723 30	1,934 12	1,807 31	1,356 80	281,821 53	.....
<b>Total.....(b)</b>	3,551,339 89	783 78	1,729 83	19,684 56	3,573,538 06	.....
<b>Grand Total.....</b>	3,828,063 19	2,717 90	3,537 14	21,041 36	3,855,359 59	Not calculated

**THE HURON AND ERIE MORTGAGE CORPORATION**

Head Office, London, Ontario

**OFFICERS**

Chairman of the Board—COL. IBBOTSON LEONARD, D.S.O.

President—M. AYLSWORTH

Vice-President—R. H. CRONYN

General Manager—M. AYLSWORTH. Secretary—D. McEACHERN. Treasurer—C. J. CLARKE.

**DIRECTORS**

M. AYLSWORTH

COL. IBBOTSON LEONARD, D.S.O.

R. H. CRONYN

C. J. CLARKE

F. P. DAWSON, K.C.

J. W. HOBBS

J. E. McCONNELL

J. J. McHALE

E. A. WILSON

Auditors—J. V. MAPP, F.C.A., AND KRIS A. MAPP, F.C.A., of Henry Barber, Mapp &amp; Mapp, Chartered Accountants.

**CAPITAL**

Amount of Capital Stock authorized (100,000 shares of \$100.00 each)	\$10,000,000 00
Amount subscribed	9,000,000 00
Amount paid in cash:	
On \$4,000,000.00 stock fully called	\$ 4,000,000 00
On \$5,000,000.00 stock 20% called	1,000,000 00
	<u>5,000,000 00</u>

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Office premises		\$ 1,755,000 00
2. Book value of real estate held for sale:		
Freehold land (including buildings)		85,921 07
3. Amount secured by mortgages on real estate including:		
First mortgages	\$15,972,539 25	
Agreements for sale	3,601,120 23	
		<u>19,573,659 48</u>
<i>(See Schedule B)</i>		
4. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$18,857,479 53	
Interest accrued	144,290 78	
		<u>\$19,001,770 31</u>
(b) Provincial and Provincial Guaranteed	\$ 1,508,631 81	
Interest accrued	12,521 09	
		<u>1,521,152 90</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 259,955 07	
		<u>259,955 07</u>
(d) All other bonds	\$ 662,717 88	
Interest accrued	3,607 95	
		<u>666,325 83</u>
		<u>21,449,204 11</u>
5. Book value of stocks		4,077,335 39
6. Cash on hand		137,485 26
7. Cash on deposit with chartered banks in Canada, \$1,716,992.74; elsewhere, \$10,494.62		1,727,487 36
Total Assets		<u>\$48,806,092 67</u>



## THE HURON AND ERIE MORTGAGE CORPORATION—Continued

## Liabilities

## To the Public

1. Amount of debentures and debenture stock issued and outstanding:			
(a) Payable in Canada	\$19,440,326	68	
Interest due and accrued	191,943	97	
			\$19,632,270 65
(b) Payable elsewhere than in			
Canada	10,599	60	
Interest due and accrued	53	25	
			10,652 85
2. Amount of money deposited with the Corporation	\$21,958,435	57	\$19,642,923 50
Interest accrued thereon		27,617 04	
			21,986,052 61
3. Taxes other than taxes on real estate			38,000 00
4. Dividends to shareholders declared and unpaid			50,000 00
5. Provision for Staff Pension Fund			12,554 00
6. Reserve for Re-establishment of Staff formerly in Armed Services			20,000 00
Total			\$41,749,530 11

## To Shareholders

7. Paid-in capital	\$ 5,000,000	00	
8. Reserve Fund		2,000,000	00
9. Balance of Profit and Loss Account		56,562	56
Total			\$ 7,056,562 56
Total Liabilities			\$48,806,092 67

## REVENUE ACCOUNT

## Income

1. Rents earned, net on office premises		\$ 62,414	26
2. Interest and Dividends earned on:			
(a) Mortgages and agreements for sale	\$ 1,117,210	41	
(b) Bonds and debentures	707,656	28	
(c) Dividends on stocks	160,067	41	
(d) Bank deposits	396	16	
			1,985,330 26
3. Profit on sale of securities and real estate			13,658 92
4. Agency fees and commissions earned			12,246 58
5. All other revenue for the year			28,687 40
Total			\$ 2,102,337 42

## Expenditure

6. Interest incurred during the year on:			
(a) Debenture and debenture stock	\$ 621,161	84	
(b) Deposits	331,801	93	
(c) Other borrowed money	20,971	20	
			\$ 973,934 97
7. Amount by which ledger values of assets were written down			32,809 39
8. License fees and taxes other than taxes on real estate:			
(a) Dominion	\$ 2,140	47	
(b) Provincial	11,715	98	
(c) Municipal	12,538	15	
			26,394 60
9. Commission on loans and on sale of real estate			16,888 84
10. Amount transferred to Investment Reserves			237,000 00

**THE HURON AND ERIE MORTGAGE CORPORATION—Continued**

11. All other expenses incurred:		
(a) Salaries	\$ 293,004	98
(b) Directors' fees	11,813	95
(c) Auditors' fees	11,758	64
(d) Legal fees	4,043	13
(e) Rents	68,182	00
(f) Travelling expenses	7,787	16
(g) Printing and stationery	13,542	39
(h) Advertising	7,047	84
(i) Postage, telegrams, telephone	10,649	54
(j) Commission on sale of Debentures	5,656	13
(k) Miscellaneous	86,794	88
	\$	520,280 64
12. Net profit transferred to Profit and Loss Account		295,028 98
Total		<u>\$ 2,102,337 42</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$ 111,533	58
2. Amount transferred from Revenue Account		295,028 98
Total	\$	<u>406,562 56</u>
3. Dividends to shareholders declared during year	\$	200,000 00
4. Amount transferred to Reserve Fund		150,000 00
5. Balance of account at 31st December, 1946		56,562 56
Total	\$	<u>406,562 56</u>

**MISCELLANEOUS**

- Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.0766%; (b) Debentures payable elsewhere, 3.6671%; (c) Deposits, 1.5914%.  
Current rate paid—(a) 3, 4 and 5 years, 2½%; (c) Deposits, 1½%.
- Average rate of interest per annum earned by the Corporation during the year on:  
(a) Mortgages and agreements for sale of realty, 5.5670%.  
(b) Bonds and debentures, 3.0897%.  
(c) Stocks owned, 4.1776%.
- Loans written off, \$128,471.02.
- Fidelity Bonds on officers of the Corporation covers entire staff up to \$500,000 in case of default of one or more members.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) February 13th, 1946; (b) April 1st, 1946; (c) 1%.  
(a) May 21st, 1946; (b) July 2nd, 1946; (c) 1%.  
(a) August 26th, 1946; (b) October 1st, 1946; (c) 1%.  
(a) November 19th, 1946; (b) January 2nd, 1947; (c) 1%.
- Date appointed for the Annual Meeting—February 12th, 1947.  
Date of last Annual Meeting—February 13th, 1946.

**CONSTATING INSTRUMENTS**

March 15th, 1864, Declaration made and filed (March 18th, 1864) in pursuance of Chapter 53, Consolidated Statutes of Upper Canada, 1859, incorporating The Huron & Erie Savings & Loan Society under the said Act.

1865, 28 Victoria, Chapter 41, An Act of the Legislative Council and Assembly by Canada whereby the London Permanent Building & Savings Society was amalgamated with and merged in The Huron & Erie Savings & Loan Society.

1866, 29-30 Victoria, Chapter 132, An Act of the Legislative Council and Assembly of Canada whereby the Western Counties Permanent Building & Savings Society was amalgamated with and merged in The Huron & Erie Savings & Loan Society.

1875, 39 Victoria, Chapter 95, An Act changing the name of The Huron & Erie Savings & Loan Society to The Huron & Erie Loan & Savings Company.

1875, September 2nd, Declaration filed in pursuance of Chapter 53, Consolidated Statutes of Canada, 1859, whereby the Canadian Savings & Loan Company of London, Canada, was incorporated under the said Act.

1896, 59 Victoria, Chapter 49, Canada, An Act for defining the borrowing powers of the Company and for consolidating legislation in relation thereto.

1899, 62-63 Victoria, Chapter 115, Canada, An Act regulating the amount of the Company's liabilities to the public and as to the types of security in which it may invest.

## THE HURON AND ERIE MORTGAGE CORPORATION—Continued

1905, 4-5 Edward VII, Chapter 105, Canada, An Act dealing with the Company's liabilities to the public, limiting the amount from time to time to be held on deposit, and as to the extent of borrowing power.

1905, December 29th, An Order of the Lieutenant-Governor in Council, assenting to an agreement whereby the assets of The Canadian Savings & Loan Company were vested in The Huron & Erie Loan & Savings Company.

1906, 6 Edward VII, Chapter 110, Canada, An Act whereby The Canadian Savings & Loan Company of London, Canada, was amalgamated with and merged in The Huron & Erie Loan and Savings Company.

1906, 6 Edward VII, Chapter 130, Ontario, An Act of the Province of Ontario similar to the one above described and for the same purpose.

1913, 3-4 Geo. V, Chapter 130, Canada, An Act permitting the Company to increase the amount of its liabilities to the public.

1915, 5 Geo. V., Chapter 74, Canada, An Act changing the name of The Huron & Erie Loan & Savings Company to The Huron & Erie Mortgage Corporation, authorizing the increase of the Company's capital stock, the establishment of a pension fund, etc.

1915, 5 Geo. V., Chapter 86, Ontario, An Act for the same purpose as the Dominion Act last above recited.

1922, August 29th, An Order of the Lieutenant-Governor of the Province of Ontario in Council, assenting to an agreement whereby the assets of the Dominion Savings & Investment Society were vested in The Huron & Erie Mortgage Corporation.

1926, October 13th, An Order of the Lieutenant-Governor of the Province of Ontario in Council, assenting to an agreement whereby the assets of The Hamilton Provident & Loan Corporation were vested in The Huron & Erie Mortgage Corporation.

1927, May 31st, An Order of the Lieutenant-Governor of the Province of Ontario in Council assenting to an agreement whereby the assets of The Southern Loan & Savings Company were vested in The Huron & Erie Mortgage Corporation.

1929, August 29th, An Order of the Lieutenant-Governor of the Province of Ontario in Council, assenting to an agreement respecting the sale of the assets of The London Loan & Savings Company to The Huron & Erie Mortgage Corporation.

1931, January, 17th, An Order of the Lieutenant-Governor of the Province of Ontario in Council, assenting to an agreement, dated November 18th, 1930, whereby the assets of The People's Loan & Savings Corporation were vested in The Huron & Erie Mortgage Corporation.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal Outstanding	Charges Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....(a)	2,149,640 38	1,763 27	4,913 87	57,540 57	2,213,858 09	5,044 34
Ontario.....(b)	10,123,237 07	22,035 73	19,950 20	111,538 22	10,276,761 22	5,859 41
Manitoba....(a)	729,905 94	5,136 94	2,798 66	13,067 05	750,908 59	1,421 00
Manitoba....(b)	200,711 15	4,740 08	66 24	4,089 80	209,607 27	.....
Saskatchewan(a)	4,302,092 45	77,457 70	cr. 56,660 77	175,398 31	4,498,287 69	111,141 00
Saskatchewan(b)	81,554 50	2,182 27	49 29	1,736 59	85,522 65	.....
Alberta.....(a)	1,257,326 38	24,942 57	33,321 12	37,832 33	1,353,422 40	10,211 30
Alberta.....(b)	58,708 43	3,437 50	981 93	855 61	63,983 47	.....
British Columbia	(a) .....	.....	.....	.....	.....	.....
" " (b)	833,021 70	579 00	809 54	11,881 02	846,291 26	.....
Total (a)...	8,438,965 15	109,300 48	cr. 15,627 12	283,638 26	8,816,476 77	127,817 64
Total (b)...	11,297,232 85	32,974 58	21,857 20	130,101 24	11,482,165 87	5,859 41
Grand Total....	19,736,198 00	142,275 06	6,230 08	413,939 50	20,298,642 64	133,677 05



# THE LAMBTON LOAN AND INVESTMENT COMPANY

Head Office, Sarnia, Ontario

## OFFICERS

President—CHESTER H. BELTON  
 Manager—G. C. NORSWORTHY

Vice-President—ALBERT J. JOHNSTON  
 Secretary-Treasurer—S. A. HYDE

## DIRECTORS

CHESTER H. BELTON  
 ALBERT J. JOHNSTON  
 WILLIAM GUTHRIE  
 ERLE F. JOHNSTON

W. H. KENNY  
 J. A. SMITH  
 HARRY WILSON  
 H. M. TAYLOR, K.C.

EUGENE KING

Auditors—MESSRS. GLENDINNING, JARRETT, GRAY AND ROBERTS

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed	789,750 00
Amount paid in cash	789,750 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

1. Office premises	\$ 15,480 00
2. Book value of real estate held for sale:	
Freehold land (including buildings)	5,796 83
3. Amount secured by mortgages on real estate including:	
First mortgages	\$ 2,100,745 95
Agreements for sale	444,905 16
Interest due	8,657 23
	<u>2,554,308 34</u>

(See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:	
(There is included in the collateral \$27,000.00 of the Company's own stock upon which \$27,000.00 has been paid.)	
Principal	\$ 45,161 14
Interest due	62 71
Interest accrued	551 69
	<u>45,775 54</u>
5. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 880,784 00
Interest accrued	5,546 00
	<u>\$ 886,330 00</u>
(b) Provincial and Provincial Guaranteed	\$ 170,690 00
Interest accrued	541 00
	<u>171,231 00</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 450,559 03
Interest accrued	4,070 00
	<u>454,629 03</u>
(d) All other bonds	\$ 344,830 12
Interest accrued	4,337 00
	<u>349,167 12</u>
	<u>1,861,357 15</u>
6. Book value of stocks	745,447 95
7. Cash on hand	38,281 92
8. Cash on deposit with chartered banks in Canada	367,835 17
9. All other assets	3,587 01
Total Assets	<u>\$ 5,637,869 91</u>



## THE LAMBTON LOAN AND INVESTMENT COMPANY—Continued

**Liabilities***To the Public*

1. Amount of debentures and debenture stock issued and outstanding:		
Payable in Canada .....	\$ 2,028,205 18	
Interest due and accrued .....	25,639 26	
		\$ 2,053,844 44
2. Amount of money deposited with the Corporation .....	\$ 1,854,730 18	
Interest accrued thereon .....	8,400 00	
		1,863,130 18
3. Taxes other than taxes on real estate .....		19,906 63
4. Dividends to shareholders declared and unpaid .....		31,590 00
5. All other liabilities .....		1,000 00
Total .....		<u>\$ 3,969,471 25</u>

*To Shareholders*

6. Paid-in capital .....	\$ 789,750 00	
7. Reserve fund .....	789,750 00	
8. Balance of Profit and Loss Account .....	88,898 66	
Total .....		<u>\$ 1,668,398 66</u>
Total Liabilities .....		<u><u>\$ 5,637,869 91</u></u>

**REVENUE ACCOUNT****Income**

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$ 146,253 71	
(b) Collateral loans .....	2,904 81	
(c) Bonds and debentures .....	51,875 88	
(d) Dividends on stocks .....	45,757 82	
		\$ 246,792 22
2. Profit on sale of securities and real estate .....		14,535 96
3. Agency fees and commissions earned .....		112 67
4. All other revenue for the year .....		1,847 99
5. Amount transferred from Investment Reserve .....		10,919 97
Total .....		<u>\$ 274,208 81</u>

**Expenditure**

6. Interest incurred during the year on:		
(a) Debentures and debenture stock .....	\$ 69,412 52	
(b) Deposits .....	29,517 12	
(c) Other borrowed money .....	257 14	
		\$ 99,186 78
7. License fees and taxes other than taxes on real estate:		
Dominion .....		43,919 97
8. Commission on loans and on sale of real estate .....		1,328 45
9. All other expenses incurred:		
(a) Salaries .....	\$ 20,778 66	
(b) Directors' fees .....	3,435 00	
(c) Auditors' fees .....	2,684 33	
(d) Legal fees .....	1,642 88	
(e) Registration and fees .....	530 91	

## THE LAMBTON LOAN AND INVESTMENT COMPANY—Continued

(f) Travelling expenses	\$ 2,822 59
(g) Printing and stationery	657 91
(h) Advertising	1,098 85
(i) Postage and excise	847 51
(j) Commission on sale of Debentures	221 73
(k) Maintenance of Office Premises	616 91
(l) Miscellaneous	7,255 54
	<hr/>
	\$ 42,592 82
Less share Lambton Trust Company	2,450 00
	<hr/>
	\$ 40,142 82
10. Net profit transferred to Profit and Loss Account	89,630 79
	<hr/>
Total	<u>\$ 274,208 81</u>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 114,300 37
2. Amount transferred from Revenue Account	89,630 79
	<hr/>
Total	\$ 203,931 16
	<hr/>
3. Dividends to shareholders declared during year	\$ 55,282 50
4. Amount transferred to Reserve Fund	59,750 00
5. Balance of account at 31st December, 1946	88,898 66
	<hr/>
Total	<u>\$ 203,931 16</u>

## MISCELLANEOUS

- Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.31%; (b) Deposits, 1.85%.  
Current rate paid—(a) 2¼%, 2½%, 2¾%; (b) 2%.
- Average rate of interest per annum earned by the Corporation during the year on:
  - Mortgages and agreements for sale of realty, 5.22%.
  - Collateral loans, 6.32%.
  - Bonds and debentures, 2.99%.
  - Stocks owned, 7.06%.
- Loans written off, \$560.00.
- Fidelity Bonds on officers of the Corporation, \$50,000.00.
- Dividends and bonuses declared during year giving (a) dates declared. (b) dates payable, (c) rates:
  - November 12th, 1945; (b) January 2nd, 1946; (c) 3%.
  - May 15th, 1946; (b) July 2nd, 1946; (c) 3%.
- Date appointed for the Annual Meeting—February 5th, 1947.  
Date of last Annual Meeting—February 6th, 1946.
- Amount of Company's own Debentures and interest thereon, due and unpaid \$ 40,577 46

## CONSTATING INSTRUMENTS

Incorporated under The Building Societies Act, 9 Vict., c. 90 (Province of Canada), by declaration filed on 27th March, 1847, with the Clerk of the Peace for the Western District. The original corporate name was "The Port Sarnia Building Society." The society was reorganized as "The Lambton Permanent Building and Investment Society" under the said Act and other Acts, all of which became consolidated as Chapter 53 of the Consolidated Statutes of Upper Canada, by declaration filed 19th June, 1855, with the Clerk of the Peace for the County of Lambton. This latter corporate name was changed by Order-in-Council, 4th June, 1880, to The Lambton Loan and Investment Company.

The lending and the borrowing powers are governed by The Loan and Trust Corporations Act. R.S.O. 1937, c. 257.

## THE LAMBTON LOAN AND INVESTMENT COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal Out- standing	Charges Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....(a)	1,443,568 49	151 10	7,729 73	.....	1,451,449 32	5,993 07
.....(b)	1,198,723 41	1,569 29	927 50	.....	1,201,220 20	356 16
Grand Total.....	2,642,291 90	1,720 39	8,657 23	.....	2,652,669 52	6,349 23

## MIDLAND LOAN AND SAVINGS COMPANY

Head Office, Port Hope, Ontario

## OFFICERS

President—S. RODERICK CALDWELL Vice-President—WALTER J. HELM  
 Manager—WALTER J. HELM

## DIRECTORS

SAMUEL RODERICK CALDWELL CECIL G. MERCER  
 WALTER JOHN HELM JOHN M. ROSEVEAR  
 WILLIAM E. HENDERSON

Auditors—NORMAN S. CHOATE; WILBUR N. MOORE

## CAPITAL

Amount of Capital Stock authorized (36,000 shares of \$10.00 each)	\$	360,000 00
Amount subscribed		360,000 00
Amount paid in cash		360,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

## Assets

1. Office premises		\$	1,000 00
2. Amount secured by mortgages on real estate including:			
First mortgages	\$	2,436,095 05	
Agreements for sale		53,854 54	
			2,489,949 59
(See Schedule B)			
3. Amount of loans secured by stocks, bonds and other collateral:			
(There is included in the collateral \$4,640.00 of the Company's own stock upon which \$4,640.00 has been paid.)			
Principal			3,540 46
4. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom	\$	684,637 50	
(b) Provincial and Provincial Guaranteed		151,133 06	
(c) Canadian municipalities, school districts and rural telephone companies		16,274 81	
			852,045 37
5. Book value of stocks			72,424 93
6. Canada Savings Bonds, re Subscribers' Account			4,291 00
7. Cash on hand			5,253 17
8. Cash on deposit with chartered banks in Canada			308,720 69
Total Assets		\$	3,737,225 21

## Liabilities

## To the Public

1. Amount of debentures and debenture stock issued and outstanding:			
Payable in Canada	\$	1,929,700 72	
Interest due and accrued		22,732 06	
			\$ 1,952,432 78
2. Amount of money deposited with the Corporation	\$	692,480 55	
Interest accrued thereon		1,000 00	
			693,480 55
3. Taxes other than taxes on real estate			90,000 00
4. Dividends to shareholders declared and unpaid			21,600 00
Total		\$	2,757,513 33



## MIDLAND LOAN AND SAVINGS COMPANY—Continued

## To Shareholders

5. Paid-in capital	\$ 360,000 00
6. Reserve fund	460,000 00
7. General Contingency Reserve	20,000 00
8. Balance of Profit and Loss Account	139,711 88
<b>Total</b>	<b>\$ 979,711 88</b>
<b>Total Liabilities</b>	<b>\$ 3,737,225 21</b>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 154,431 91	
(b) Collateral loans	198 61	
(c) Bonds and debentures	31,042 92	
(d) Dividends on stocks	3,750 00	
(e) Bank deposits	782 27	
		\$ 190,205 71
2. Profit on sale of securities called for redemption		4,727 04
3. All other revenue for the year		2,250 62
<b>Total</b>		<b>\$ 197,183 37</b>

## Expenditure

4. Interest incurred during the year on:		
(a) Debentures and debenture stock	\$ 61,562 92	
(b) Deposits	10,715 05	
		\$ 72,277 97
5. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 31,471 04	
(b) Provincial	267 42	
		31,738 46
6. Commission on loans and on sale of real estate		2,592 25
7. All other expenses incurred:		
(a) Salaries	\$ 17,920 00	
(b) Directors' fees	1,775 00	
(c) Auditors' fees	1,360 00	
(d) Legal fees	60 43	
(e) Inspection account	369 00	
(f) Travelling expenses	20 00	
(g) Printing and stationery	519 99	
(h) Advertising	56 02	
(i) Postage, telegrams, telephones and express	796 97	
(j) Maintenance of Office Premises	771 34	
(k) Miscellaneous	801 04	
		24,449 79
8. Net profit transferred to Profit and Loss Account		66,124 90
<b>Total</b>		<b>\$ 197,183 37</b>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 109,586 98
2. Amount transferred from Revenue Account	66,124 90
<b>Total</b>	<b>\$ 175,711 88</b>
3. Dividends to shareholders declared during year	\$ 36,000 00
4. Balance of account at 31st December, 1946	139,711 88
<b>Total</b>	<b>\$ 175,711 88</b>

## MIDLAND LOAN AND SAVINGS COMPANY—Continued

## MISCELLANEOUS

1. Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.23; (b) Deposits, 2%.  
Current rate paid—(a) Debentures payable in Canada, 2½% and 2¾%; (b) Deposits, 2%.
2. Average rate of interest per annum earned by the Corporation during the year on:
  - (a) Mortgages and agreements for sale of realty, 5.24%.
  - (b) Collateral loans, 5.45%.
  - (c) Bonds and debentures, 3.24%.
  - (d) Stocks owned, 4.76%.
4. Fidelity Bonds on officers of the Corporation, \$15,000.00.
5. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) May 17th, 1946; (b) July 2nd, 1946; (c) 4%.
  - (a) November 16th, 1946; (b) January 2nd, 1947; (c) 4% plus 2% bonus.
6. Date appointed for the Annual Meeting—February 4th, 1947.  
Date of last Annual Meeting—February 5th, 1946.
7. Amount of Company's own Debentures and interest thereon, due and unpaid
 

	\$ 21,782 83
--	--------------

## CONSTATING INSTRUMENTS

Incorporated under The Building Societies Act, Consol. Sta. U.C., Chap. 53, by declaration filed with the Clerk of the Peace for the United Counties of Northumberland and Durham, 5th July, 1872. (Decl. Book II, 127).

The corporate name was, by Order-in-Council of Ontario, 21st June, 1876 (Ibid.), changed to the Midland Loan and Savings Company.

A by-law altering the amount of the capital stock and par value of the share was, pursuant to The Loan Corporations Act, approved by Order-in-Council of Ontario, 3rd October, 1900.

The borrowing and lending powers are governed by The Loan and Trust Corporations Act, R.S.O. 1937, Chap. 257.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal Outstanding	Totals	Amount of Interest Due and Not Charged	
(a) Farm	(b) Urban				
		\$ c.	\$ c.	\$ c.	
Ontario .....	(a)	176,283 97	176,283 97	384 48	
Ontario .....	(b)	2,453,565 43	2,453,565 43	779 43	
Total (a) .....		176,283 97	176,283 97	384 48	
Total (b) .....		2,453,565 43	2,453,565 43	779 43	
Grand Total .....		2,629,849 40	2,629,849 40	1,163 91	

# THE ONTARIO LOAN AND DEBENTURE COMPANY

Head Office, London, Ontario

## OFFICERS

President—ARCHIBALD MCPHERSON

Vice-President—THOMAS H. MAIN

Manager and Secretary-Treasurer—THOMAS H. MAIN

## DIRECTORS

ARCHIBALD MCPHERSON

THOMAS H. MAIN

JOHN MCCLARY GUNN

O. ROY MOORE

JAMES B. ORR

J. EDGAR JEFFERY

Auditors—A. G. CALDER, F.C.A.; R. C. COWLE, C.A.

## CAPITAL

Amount of Capital Stock authorized (84,000 shares of \$50.00 each)	\$ 4,200,000 00
Amount subscribed	2,000,000 00
Amount paid in cash	2,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

1. Office premises		\$ 90,000 00
2. Book value of real estate held for sale:		
(a) Freehold land (including buildings)	\$ 6,263 04	
(b) Held under power of sale, etc.	4,401 00	10,664 04
3. Amount secured by mortgages on real estate including:		
First mortgages	\$13,133,505 82	
Agreements for sale	82,559 64	13,216,065 46
(See Schedule B)		
4. Amount of loans secured by stocks, bonds and other collateral:		
Principal		43,411 84
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion	\$ 6,580,801 01	
Interest accrued	53,731 26	
	\$ 6,634,532 27	
(b) Provincial and Provincial Guaranteed	\$ 433,643 13	
Interest accrued	3,683 87	437,327 00
(c) Canadian municipalities	\$ 81,526 04	
Interest accrued	1,564 65	83,090 69
(d) All other bonds	\$ 402,800 00	
Interest accrued	2,000 08	404,800 08
		7,559,750 04
6. Cash on hand		70,578 11
7. Cash on deposit with chartered banks in Canada, \$502,144.11; elsewhere, \$35,528.70		537,672 81
Total Assets		<u>\$21,528,142 30</u>

## THE ONTARIO LOAN AND DEBENTURE COMPANY—Continued

## Liabilities

## To the Public

1. Amount of debentures issued and outstanding:		
Payable in Canada.....	\$10,894,217	01
Interest due and accrued .....	104,531	13
		<hr/>
		\$10,998,748 14
2. Amount of money deposited with the Corporation .....		5,847,761 21
3. Provision for balance Dominion Income Tax for 1946 .....		76,000 00
4. Dividends to shareholders declared but not due and payable until 2nd January, 1947.....		50,000 00
5. All other liabilities .....		39,202 63
		<hr/>
Total .....		\$17,011,711 98

## To Shareholders

6. Paid-in Capital .....	\$ 2,000,000	00
7. Reserve fund .....	2,400,000	00
8. Balance of Profit and Loss Account.....	116,430	32
		<hr/>
Total .....	\$ 4,516,430	32
		<hr/>
Total Liabilities .....	\$21,528,142	30

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> on office premises.....	\$	3,807	79
2. Interest and Dividends earned on:			
(a) Mortgages and agreements for sale .....	\$ 669,831	34	
(b) Collateral loans .....		1,908	35
(c) Bonds and debentures .....	280,904	12	
(d) Dividends on stocks .....		27	75
			<hr/>
			952,671 56
3. Profit on sale of securities and real estate .....		38,858	76
4. Agency fees and commissions earned.....		1,725	66
5. All other revenue for the year.....		8,821	78
			<hr/>
Total .....	\$	1,005,885	55

## Expenditure

6. Interest incurred during the year on:			
(a) Debentures .....	\$ 346,696	83	
(b) Deposits .....		96,287	17
(c) Other borrowed money—Bank Accounts.....		2,496	36
			<hr/>
			\$ 445,480 36
7. Loss on sale of real estate.....		11,296	96
8. Amount by which ledger values of assets were written down.....			1 00
9. License fees and taxes other than taxes on real estate:			
(a) Dominion .....	\$ 148,000	00	
(b) Provincial .....		1,991	82
(c) Municipal .....		2,819	62
			<hr/>
			152,811 44
10. Commission on loans and on sale of real estate .....		31,300	07
11. Amount transferred to Investment Reserves.....		4,544	17
12. All other expenses incurred:			
(a) Salaries .....	\$ 74,182	97	
(b) Directors' fees .....		7,240	00
(c) Auditors' fees .....		4,000	00
(d) Legal fees .....		1,158	78
(e) Rents .....		9,000	00
(f) Travelling expenses .....		6,401	11
(g) Printing and stationery.....		3,462	36



**THE ONTARIO LOAN AND DEBENTURE COMPANY—Continued**

(h) Advertising	\$ 2,612 03	
(i) Postage, telegrams, telephones and express	3,419 35	
(j) Commission on sale of Debentures	341 03	
(k) Miscellaneous	23,308 89	
		\$ 135,126 52
13. Net profit transferred to Profit and Loss Account		225,325 03
Total		<u>\$ 1,005,885 55</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$ 116,105 29
2. Amount transferred from Revenue Account	225,325 03
Total	<u>\$ 341,430 32</u>
3. Dividends to shareholders declared during year	\$ 200,000 00
4. Reserve for extension of office premises	10,000 00
5. Benefit fund for employees	15,000 00
5. Balance of account at 31st December, 1946	116,430 32
Total	<u>\$ 341,430 32</u>

**MISCELLANEOUS**

- Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.2757%; (b) Deposits, 1.8063%.  
Current rate paid—(a) Debentures payable in Canada, 2¾% for 5-year term, 2½% for 3- and 4-year terms; (b) Deposits, 2% minimum monthly.
- Average rate of interest per annum earned by the Corporation during the year on:
  - Mortgages and agreements for sale of realty, 5.138%.
  - Collateral loans, 3.9547%.
  - Bonds and debentures, 3.3131%.
- Loans written off, \$1.00.
- Fidelity Bond on officers of the Corporation, Blanket Bond \$50,000.00 on all employees.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - February 19th, 1946; May 28th, 1946; August 27th, 1946; November 26th, 1946; (b) April 1st, 1946; July 2nd, 1946; October 1st, 1946; January 2nd, 1947; (c) 2½% quarterly.
- Date appointed for the Annual Meeting—February 12th, 1947.  
Date of last Annual Meeting—February 13th, 1946.
- Amount of interest permanently capitalized during the year \$ 291 19
- Amount of Company's own Debentures, due and unpaid 40,791 00

**CONSTATING INSTRUMENTS**

Incorporated under The Building Societies Act, Consolidated Statutes of Upper Canada, c. 53, by declaration filed in the office of the Clerk of the Peace for the County of Middlesex, 26th September, 1870. The original corporate name was The Ontario Savings and Investment Society.

By Order-in-Council of Ontario, dated 4th October, 1879, and also by Order-in-Council of Canada, dated 29th October, 1879, the corporate name was changed to The Ontario Loan and Debenture Company.

The Company as now constituted was formed under the provisions of The Loan Corporations Act of Ontario by The Ontario Loan and Debenture Company, taking in by amalgamation the Agricultural Savings and Loan Company under Order-in-Council dated 10th November, 1911, and operates under The Loan and Trust Corporations Act, R.S.O. 1937, chapter 257.

By Order-in-Council of Ontario, dated 12th March, 1930, 20,000 shares twenty per cent. called and paid were converted into 4,000 shares fully paid, the authorized capital thereby being reduced from 100,000 to 84,000 shares.

## THE ONTARIO LOAN AND DEBENTURE COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal Outstanding	Charges Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Accrued and Not Charged
(a) Urban	(b) Farm						
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....	(a)	12,308,880 99	15 35	.....	27,425 35	12,336,321 69	28,516 98
Ontario.....	(b)	213,450 90	.....	.....	2,575 61	216,026 51	2,729 22
Manitoba.....	(a)	70,508 18	197 50	.....	545 58	71,251 26	505 85
Manitoba.....	(b)	50,681 92	21 50	.....	444 33	51,147 75	996 91
Saskatchewan.....	(a)	50,950 20	639 50	.....	283 90	51,873 60	1,712 44
Saskatchewan.....	(b)	240,519 81	1,759 24	.....	1,577 57	243,856 62	20,252 63
Alberta.....	(a)	368,849 05	1,767 62	.....	1,145 15	371,761 82	2,357 06
British Columbia.....	(a)	918,390 23	.....	.....	2,502 51	920,892 74	3,043 86
Total (a).....		13,717,578 65	2,619 97	.....	31,902 49	13,752,101 11	36,136 19
Total (b).....		504,652 63	1,780 74	.....	4,597 51	511,030 88	23,978 76
Grand Total.....		14,222,231 28	4,400 71	Nil	36,500 00	14,263,131 99	60,114 95

**TORONTO MORTGAGE COMPANY****Head Office, Toronto, Ontario****OFFICERS**

President—GERARD B. STRATHY, K.C.      Manager and Treasurer—PHILIP SIMMONDS  
 Vice-President—GEORGE D. KIRKPATRICK      Secretary—CHAS. J. PETTIT

**DIRECTORS**

GERARD B. STRATHY, K.C.      ARTHUR F. WHITE  
 GEORGE D. KIRKPATRICK      E. VAUGHAN CHAMBERS  
 HON. GEORGE S. HENRY      GERALD Y. ORMSBY, C.A.  
 WALTER B. COWAN, K.C.

Auditors—H. D. LOCKHART GORDON, F.C.A.; J. FRANK HOSKIN, C.A.

**CAPITAL**

Amount of Capital Stock authorized (20,000 shares of \$50.00 each) . . . \$ 1,000,000 00  
 Amount subscribed (19,730 shares) . . . . . 986,500 00  
 Amount paid in cash . . . . . 986,500 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Office premises . . . . .	\$	45,000	00
2. Amount secured by mortgages on real estate including: First mortgages . . . . .		3,297,302	23
(See Schedule B)			
3. Book value of bonds, debentures and debenture stocks: Government and Government Guaranteed: (a) Dominion and United Kingdom . . . . .	\$	600,000	00
(b) Provincial and Provincial Guaranteed . . . . .		195,788	81
(c) Canadian municipalities, school districts and rural telephone companies . . . . .		81,004	31
(d) All other bonds . . . . .		36,250	74
			913,043 86
4. Book value of stocks . . . . .		237,356	19
5. Cash on hand . . . . .		4,319	56
6. Cash on deposit with chartered banks in Canada, \$124,371.43; else- where, \$1,107.16 . . . . .		125,478	59
Total Assets . . . . .	\$	4,622,500	43

**Liabilities****To the Public**

1. Amount of debentures and debenture stock issued and outstanding: (a) Payable in Canada . . . . .	\$	1,101,970	36
Interest due and accrued . . . . .		14,966	31
			\$ 1,116,936 67
(b) Payable elsewhere than in Canada . . . . .	\$	934,692	02
Interest due and accrued . . . . .		4,829	70
			939,521 72
	\$	2,056,458	39
2. Amount of money deposited with the Corporation . . . . .		217,630	75
3. Taxes other than taxes on real estate—Reserve for Taxes and Con- tingencies . . . . .		38,684	28
4. Dividends to shareholders declared and unpaid— Payable 2nd January, 1947 . . . . .		24,662	50
Total . . . . .	\$	2,337,435	92

## TORONTO MORTGAGE COMPANY—Continued

*To Shareholders*

5. Paid-in Capital .....	\$ 986,500 00
6. Reserve fund .....	1,165,002 00
7. Balance of Profit and Loss Account .....	133,562 51
<b>Total .....</b>	<b>\$ 2,285,064 51</b>
<b>Total Liabilities .....</b>	<b>\$ 4,622,500 43</b>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale .....	\$ 194,773 01
(b) Bonds and debentures .....	34,161 39
(c) Dividends on stocks .....	16,393 58
(d) Bank deposits .....	254 69
(e) Other interest earned .....	116 28
	<u>\$ 245,698 95</u>
2. Profit on sale of securities and real estate .....	4,547 62
3. All other revenue for the year .....	14,130 55
<b>Total .....</b>	<b>\$ 264,377 12</b>

## Expenditure

4. Interest incurred during the year on:	
(a) Debentures and debenture stock .....	\$ 63,696 66
(b) Deposits .....	3,761 28
	<u>\$ 67,457 94</u>
5. License fees and taxes other than taxes on real estate:	
(a) Dominion .....	\$ 53,933 48
(b) Provincial .....	658 77
(c) Municipal .....	407 75
	<u>55,000 00</u>
6. Commission on loans and on sale of real estate .....	3,598 21
7. All other expenses incurred:	
(a) Salaries .....	\$ 12,175 00
(b) Directors' fees .....	4,500 00
(c) Auditors' fees .....	1,200 00
(d) General office expenses .....	2,622 37
(e) Rents .....	1,272 00
(f) Commission on sale of Debentures .....	808 96
(g) Maintenance of office premises .....	10,594 78
	<u>33,173 11</u>
8. Net profit transferred to Profit and Loss Account .....	105,147 86
<b>Total .....</b>	<b>\$ 264,377 12</b>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year .....	\$ 127,064 65
2. Amount transferred from Revenue Account .....	105,147 86
<b>Total .....</b>	<b>\$ 232,212 51</b>
3. Dividends to shareholders declared during year .....	\$ 98,650 00
4. Balance of account at 31st December, 1946 .....	133,562 51
<b>Total .....</b>	<b>\$ 232,212 51</b>



## TORONTO MORTGAGE COMPANY—Continued

## MISCELLANEOUS

1. Rate of interest per annum paid by the Corporation:  
Average rate for year—(a) Debentures payable in Canada, 3.24%; (b) Debentures payable elsewhere, 3.10%; (c) Deposits, 1.82%.  
Current rate paid on (a), (b), (c)—3.053%.
2. Average rate of interest per annum earned by the Corporation during the year on:  
(a) Mortgages and agreements for sale of realty, 5.62%.  
(b) Bonds and debentures, 3.76%.  
(c) Stocks owned, 4.68%.
3. Fidelity Bonds on officers of the Corporation, \$10,000.00, all employees.
4. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
January 1st, April 1st, July 1st, October 1st—10%.
5. Date appointed for the Annual Meeting—February 5th, 1947.  
Date of last Annual Meeting—February 6th, 1946.
6. Amount of Company's own Debentures and interest thereon, *due*  
and unpaid ..... \$ 653 52

## CONSTATING INSTRUMENTS

This Company was, under the provisions of The Loan Corporations Act, formed by the amalgamation of The Building and Loan Association with The Union Loan and Savings Company.

The agreement for the amalgamation of these companies under the new corporate name of The Toronto Mortgage Company was executed by both companies on the 27th September, 1899; was ratified by the shareholders of the respective companies on the 15th November, 1899, and was assented to by the Lieutenant-Governor of the Province of Ontario by Order-in-Council, dated 15th December, 1899.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal Out- standing	Charges Out- standing	Interest Due and Unpaid	Totals	Amount of Interest Due and Not Charged
(a) Farm	(b) Urban					
Ontario.....(b)		\$ c. 3,466,115 06	\$ c. Included in Principal Balance	\$ c. 3,910 87	\$ c. 3,470,025 93	\$ c. Nil

---

---

## II. LOAN CORPORATION

---

Having Terminating as well as Permanent Stock or Having  
Terminating Stock Only

(See Edw. VII (1904), Chapter 17, Section 6)

---

**DETAILED REPORT OF THE CORPORATION**

---

---



**THE PETERBOROUGH WORKINGMEN'S BUILDING AND SAVINGS SOCIETY****Head Office, Peterborough, Ontario****OFFICERS**

President—**FRED J. OVEREND**  
 Vice-President—**M. H. GAINNEY**

Manager and Secretary—**JAMES F. DUNN**  
 Treasurer—**A. C. WOLFF**

**DIRECTORS**

**FRED J. OVEREND**  
**M. H. GAINNEY**  
**A. C. WOLFF**  
**E. A. PECK, K.C.**

**EDWARD V. O'TOOLE**  
**DR. W. S. FITZPATRICK**  
**DR. R. J. YOUNG**  
**JOHN LYNCH**

**JAMES F. DUNN**

**Auditors—S. S. SHAUGHNESSY; C. D. COWLING**

**CAPITAL**

Amount of Capital Stock authorized (5,000 shares of \$200.00 each)	\$ 1,000,000 00
Amount subscribed: Terminating and withdrawable	579,260 00
Amount paid in cash:	
On \$449,480.00 instalment stock	227,326 82

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Amount secured by mortgages on real estate including:		
First mortgages	\$ 242,796 75	
Interest due	3,943 98	
Interest accrued	717 35	
		\$ 247,458 08
<i>(See Schedule B)</i>		
2. Amount of loans secured by stocks, bonds and other collateral:		
(There is included in the collateral \$15,680.00 of the Company's own stock upon which \$10,383.07 has been paid.)		
Principal	\$ 3,400 00	
Interest due	315 12	
Interest accrued	9 28	
		3,724 40
3. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
Dominion and United Kingdom	\$ 17,722 50	
Interest accrued	132 50	
		17,855 00
4. Cash on hand		623 05
5. Cash on deposit with chartered banks in Canada		11,288 98
6. All other assets		871 57
Total Assets		\$ 281,821 08

**Liabilities****To the Public**

1. Salaries, rents and other expenses due and accrued	\$ 489 40
2. Investment reserves	7,874 91
3. All other liabilities	3,617 30
Total	\$ 11,981 61



## THE PETERBOROUGH WORKINGMEN'S BUILDING AND SAVINGS SOCIETY—Continued

*To Shareholders*

4. Paid-in capital .....	\$ 227,326 82
5. Balance of Profit and Loss Account .....	42,512 65
Total .....	<u>\$ 269,839 47</u>
Total Liabilities .....	<u>\$ 281,821 08</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$ 11,824 42	
(b) Collateral loans .....	169 20	
(c) Bonds and debentures .....	1,329 51	
	<u>\$</u>	13,323 13
2. Profit on sale of securities and real estate .....		2,407 50
3. Amount by which ledger values of assets were written up .....		557 50
4. All other revenue for the year .....		605 89
Total .....	<u>\$</u>	<u>16,894 02</u>

## Expenditure

5. Interest incurred during the year on:		
(a) Interest on stock after maturity .....	\$ 76 42	
(b) Interest on Suspense Account .....	1 40	
(c) Other borrowed money .....	180 65	
(d) Interest on shares paid in advance .....	1,246 76	
	<u>\$</u>	1,505 23
6. Amount by which ledger values of assets were written down .....		34 55
7. License fees and taxes other than taxes on real estate:		
(a) Provincial .....	\$ 56 50	
(b) Municipal .....	13 32	
	<u></u>	69 82
8. Commission on loans and on sale of real estate .....		355 50
9. Amount transferred to Investment Reserves .....		336 04
10. All other expenses incurred:		
(a) Salaries .....	\$ 560 00	
(b) Auditors' fees .....	125 00	
(c) Rents .....	240 00	
(d) Printing and stationery .....	52 14	
(e) Postage, telegrams, telephones and express .....	32 45	
(f) Miscellaneous .....	1,026 97	
	<u></u>	2,036 56
11. Net profit transferred to Profit and Loss Account .....		12,556 32
Total .....	<u>\$</u>	<u>16,894 02</u>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year .....	\$ 39,278 30
2. Amount transferred from Revenue Account .....	12,556 32
Total .....	<u>\$ 51,834 62</u>
3. Dividends to shareholders declared during year .....	\$ 9,321 97
4. Balance of account at 31st December, 1946 .....	42,512 65
Total .....	<u>\$ 51,834 62</u>

## THE PETERBOROUGH WORKINGMEN'S BUILDING AND SAVINGS SOCIETY—Continued

## MISCELLANEOUS

1. Average rate of interest per annum earned by the Corporation during the year on:
  - (a) Mortgages and agreements for sale of realty, 5.62%.
  - (b) Collateral loans, 6.00%.
  - (c) Bonds and debentures, 2.72%.
2. Fidelity Bonds on officers of the Corporation, \$2,000.00.
3. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
 

Shares matured January 17th, 1946, and July 18th, 1946, and dividends paid were slightly over 5% per annum.
4. Date appointed for the Annual Meeting—February 25th, 1947.  
Date of last Annual Meeting—February 25th, 1946.

## CONSTATING INSTRUMENTS

Incorporated under The Building Societies Act (R.S.O. 1887, c. 169) by declaration filed with the Clerk of the Peace for the County of Peterborough on the 17th January, 1889. (Decl. Book I, 47).

April 8th, 1938—A special Act, 2 Geo. VI, Chap. 63, was passed validating and confirming all shares of terminating and withdrawable stock issued by the corporation since the 10th day of September, 1903.

The lending and borrowing powers are governed by The Loan and Trust Corporations Act R.S.O. 1937, Chap. 257.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
(b) Urban					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario..... (b)	242,796 75	3,943 98	717 35	247,458 08	Nil



---

---

# III. LOANING LAND CORPORATIONS

---

DETAILED REPORTS OF THE SEVERAL  
CORPORATIONS

---

---





**THE PROVIDENT INVESTMENT COMPANY****Head Office, Toronto, Ontario****OFFICERS**President and Manager—**A. H. Cox**Vice-President—**H. K. Cox**Secretary—**MISS NEITA L. TOLMAN****DIRECTORS****H. C. Cox****R. G. ROBERTS****A. H. Cox****W. J. HASTIE****H. K. Cox****Auditors—CAMPBELL, LAWLESS, PARKER AND BLACK****CAPITAL**

Amount of Capital Stock authorized (14,000 shares of \$100.00 each) ..	\$ 1,400,000 00
Amount subscribed .....	100,000 00
Amount paid in cash .....	100,000 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Book value of real estate held for sale .....	\$ 1,025 38	
2. Amount secured by mortgages on real estate including:		
Second and subsequent mortgages .....	\$ 563 89	
Agreements for sale .....	4,079 17	
Interest accrued .....	43 10	
		4,686 16
<i>(See Schedule B)</i>		
3. Book value of stocks .....	\$ 161,465 49	
Accrued dividends thereon .....	4,030 00	
		165,495 49
4. Cash on deposit with chartered banks in Canada .....		3,275 25
5. Agency funds and investments .....		173 78
6. All other assets .....		1,348 34
Total Assets .....	\$ 176,004 40	

**Liabilities****To the Public**

1. Money borrowed from banks:		
With security .....	\$ 80,712 34	
Interest due and accrued thereon .....	539 66	
		81,252 00
2. Agency funds and investments .....		173 78
3. All other liabilities .....		1,700 95
Total .....	\$ 83,126 73	

**To Shareholders**

4. Paid-in capital .....	\$ 100,000 00	
5. Balance of Profit and Loss Account (Deficit) .....	7,122 33	
Total .....	\$ 92,877 67	
Total Liabilities .....	\$ 176,004 40	

## THE PROVIDENT INVESTMENT COMPANY—Continued

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:			
(a) Mortgages and agreements for sale	\$	224 74	
(b) Dividends on stocks		4,038 20	
		<hr/>	\$ 4,262 94
2. Profit on sale of securities and real estate			2,500 03
3. Agency fees and commissions earned			5,605 67
4. All other revenue for the year—Rentals			1,769 50
Total			<hr/> <hr/> \$ 14,138 14

## Expenditure

5. Interest incurred during the year on:			
Other borrowed money	\$	3,829 73	
6. License fees and taxes other than taxes on real estate:			
(a) Provincial	\$	40 00	
(b) Municipal (business tax)		144 73	
		<hr/>	\$ 184 73
7. Amount transferred to Depreciation Reserves			31 35
8. All other expenses incurred:			
(a) Salaries	\$	3,046 22	
(b) Auditors' fees		190 00	
(c) Legal fees		124 05	
(d) Rents		635 00	
(e) Travelling expenses—automobile		729 90	
(f) Advertising		358 41	
(g) Postage, telegrams, telephones and express		442 60	
(h) Maintenance of Office Premises—General		389 46	
(i) Miscellaneous		2,768 14	
		<hr/>	8,683 78
9. Net profit transferred to Profit and Loss Account			1,408 55
Total			<hr/> <hr/> \$ 14,138 14

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year (Deficit)	\$	—9,231 74
2. Amount transferred from Revenue Account		1,408 55
3. Refund of Income and Excess Profits Tax for years 1942, 1943, 1944		700 86
Total	\$	<hr/> —7,122 33
4. Balance of account at 31st December, 1946 (Deficit)	\$	<hr/> —7,122 33
Total	\$	<hr/> <hr/> —7,122 33

## MISCELLANEOUS

- Average rate of interest per annum earned by the Corporation during the year on:
  - Mortgages and agreements for sale of realty, 5%.
  - Stocks owned, 2½%.
- Fidelity Bonds on officers of the Corporation, \$3,000.00.
- Date appointed for the Annual Meeting—January 15th, 1947.  
Date of last Annual Meeting—January 16th, 1946.

## THE PROVIDENT INVESTMENT COMPANY—Continued

## CONSTATING INSTRUMENTS

November 2nd, 1893—Letters Patent incorporating The Provident Investment and Mortgage Guarantee Company of Ontario, Limited.

November 2nd, 1899—Order-in-Council changing the Company's corporate name to The Provident Investment Company.

March 3rd, 1903—Certificate of Assent reducing the Capital Stock of the Company.

January 9th, 1912—Letters Patent removing Limitation of Borrowing Powers in the case of The Provident Investment Company under the provisions of The Loan Corporations Act, Revised Statutes of Ontario, 1897, Chapter 205.

March 31st, 1925—Order-in-Council reducing the Capital Stock of the Company.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
(b) Urban					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....(b)	4,643 06		43 10	4,686 16	

**THE TORONTO SAVINGS AND LOAN COMPANY****Head Office, Peterborough, Ontario****OFFICERS**

President—W. J. HASTIE

Manager—G. H. THOMPSON

Vice-President—JOHN L. C. MCCARTHY

Secretary—B. V. MOORE

Chairman of the Board—HON. LEIGHTON MCCARTHY, P.C., K.C.

**DIRECTORS**

H. C. COX

A. H. COX

W. J. HASTIE

R. A. LAIDLAW

S. H. LOGAN

G. A. MORROW

JOHN L. C. MCCARTHY

W. M. O'CONNOR

H. D. BURNS

FRANK P. WOOD

GRAHAM MORROW, O.B.E.

HON. LEIGHTON MCCARTHY, P.C., K.C.

Auditors—S. W. EAKINS; G. B. MACDONALD

**CAPITAL**

Amount of Capital Stock authorized (20,000 shares of \$100.00 each)	\$ 2,000,000 00
Amount subscribed	2,000,000 00
Amount paid in cash	2,000,000 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets**

1. Office premises		\$ 50,000 00
2. Book value of real estate held for sale:		
(a) Freehold land (including buildings)	\$ 179,637 90	
(b) Leasehold land (including buildings)	40,000 00	
		219,637 90
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 40,421 11	
Agreements for sale	8,851 31	
		49,272 42
<i>(See Schedule B)</i>		
4. Amount of loans secured by stocks, bonds and other collateral:		
Principal		6,000 00
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 440,000 00	
(b) Provincial and Provincial Guaranteed	25,000 00	
(c) All other bonds	100,000 00	
		565,000 00
6. Book value of stocks	\$ 2,522,479 30	
Accrued dividends thereon	30,592 00	
		2,553,071 30
7. Cash on hand		248 38
8. Cash on deposit with chartered banks in Canada		35,766 80
9. All other assets		1,106 65

Total Assets

\$ 3,480,103 45**Liabilities****To the Public**

1. Taxes other than taxes on real estate — Reserve for Government Taxes	\$ 17,000 00
2. Dividends to shareholders declared and unpaid	40,000 00
Total	<u>\$ 57,000 00</u>



## THE TORONTO SAVINGS AND LOAN COMPANY—Continued

*To Shareholders*

3. Paid-in capital .....	\$ 2,000,000 00
4. Reserve fund .....	1,200,000 00
5. Balance of Profit and Loss Account .....	223,103 45
Total .....	<u>\$ 3,423,103 45</u>
Total Liabilities .....	<u>\$ 3,480,103 45</u>

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> on office premises .....	\$ 4,194 16
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale .....	\$ 5,763 55
(b) Collateral loans .....	360 00
(c) Bonds and debentures .....	12,357 39
(d) Dividends on stocks .....	150,680 28
	<u>169,161 22</u>
3. Profit on sale of securities and real estate .....	18,232 54
4. Net rentals earned from real estate .....	46,352 98
5. All other revenue for the year .....	108 50
Total .....	<u>\$ 238,049 40</u>

## Expenditure

6. License fees and taxes other than taxes on real estate:	
(a) Dominion .....	\$ 8,729 16
(b) Provincial .....	200 00
	<u>\$ 8,929 16</u>
7. Commission on collections .....	61 72
8. All other expenses incurred:	
(a) Salaries .....	\$ 23,212 50
(b) Directors' fees .....	6,500 00
(c) Auditors' fees .....	542 00
(d) Legal fees .....	469 30
(e) Travelling expenses .....	94 70
(f) Printing and stationery .....	123 39
(g) Postage, telegrams, telephones and express .....	280 96
(h) Miscellaneous .....	1,964 07
	<u>33,186 92</u>
9. Net profit transferred to Profit and Loss Account .....	195,871 60
Total .....	<u>\$ 238,049 40</u>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year .....	\$ 187,231 85
2. Amount transferred from Revenue Account .....	195,871 60
Total .....	<u>\$ 383,103 45</u>
3. Dividends to shareholders declared during year .....	\$ 160,000 00
4. Balance of account at 31st December, 1946 .....	\$ 223,103 45
Total .....	<u>\$ 383,103 45</u>

## THE TORONTO SAVINGS AND LOAN COMPANY—Continued

## MISCELLANEOUS

1. Average rate of interest per annum earned by the Corporation during the year on:
  - (a) Mortgages and agreements for sale of realty, 7.69%.
  - (b) Collateral Loans, 6.00%.
  - (c) Bonds and debentures, 2.72%.
  - (d) Stocks owned, 5.42%.
2. Fidelity Bonds on officers of the Corporation—Manager, \$3,000.00; Secretary, \$2,000.00; Cashier, \$2,000.00.
3. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) January 16th, 1946; (b) April 1st, 1946; (c) 2%.
  - (a) June 19th, 1946; (b) July 2nd, 1946; (c) 2%.
  - (a) June 19th, 1946; (b) October 2nd, 1946; (c) 2%.
  - (a) December 18th, 1946; January 2nd, 1947; (c) 2%.
4. Date appointed for the Annual Meeting—January 15th, 1947.  
Date of last Annual Meeting—January 16th, 1946.

## CONSTATING INSTRUMENTS

Incorporated as "The Toronto Real Estate Investment Company" by Letters Patent of Ontario (June 15th, 1885), issued under The Ontario Joint Stock Companies' Letters Patent Act, R.S.O. 1877, c. 150. Supplementary Letters Patent of Ontario (December 29th, 1887), were issued under R.S.O. 1887, c. 157, defining the borrowing powers, etc. Further Supplementary Letters Patent of Ontario (September 25th, 1889) were issued under the last mentioned Act, increasing the capital stock from \$400,000 to \$2,000,000. Further Supplementary Letters Patent of Ontario (March 30th, 1891) were issued under the same Act, conferring agency powers on the Company. The corporate name was by Order-in-Council (April 2nd, 1891) changed to "The Toronto Savings and Loan Company."

For the lending and borrowing powers, see the Letters Patent and the Acts, R.S.O. 1877, chap. 150; R.S.O. 1887, chap. 157; R.S.O. 1914, chap. 184; R.S.O. 1927, chap. 223; R.S.O. 1937, chap. 257.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province		Principal Out- standing	Charges Out- standing	Interest Due and Unpaid	Interest Accrued	Totals	Amount of Interest Due and Not Charged
(a) Farm	(b) Urban						
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Ontario.....	(a)	39,273 63	5 50	127 44	.....	39,406 57	3,400 85
Manitoba.....	(a)	2,207 19	.....	.....	.....	2,207 19	.....
		41,480 82	5 50	127 44	.....	41,613 76	3,400 85
Ontario.....	(b)	27,443 54	52 77	162 35	.....	27,658 66	.....
Total (a).....		41,480 82	5 50	127 44	.....	41,613 76	3,400 85
Total (b).....		27,443 54	52 77	162 35	.....	27,658 66	.....
Grand Total.....		68,924 36	58 27	289 79	.....	69,272 42	.....

---

---

## IV. TRUST COMPANIES

---

DETAILED REPORTS OF THE SEVERAL  
CORPORATIONS

---

---



**THE BANKERS' TRUST COMPANY**

Head Office, Montreal, Quebec

**OFFICERS**

President—R. P. JELLETT  
 Vice-Presidents—ROSS CLARKSON  
 J. F. WILKES

Manager—C. W. ISMAY  
 Secretary—W. E. BICKLEY

**DIRECTORS**

R. P. JELLETT  
 ROSS CLARKSON  
 E. D. PARKER  
 J. F. WILKES  
 C. W. ISMAY

JACK PEMBROKE  
 G. G. W. GOODWIN  
 W. E. BICKLEY  
 J. A. SUTHERLAND  
 HERBERT GILBERT

Auditors—RIDDELL, STEAD, GRAHAM AND HUTCHISON, C.A., Montreal

**CAPITAL**

Amount of Capital Stock authorized (10,000 shares of \$100.00 each)	\$ 1,000,000 00
Amount subscribed	250,000 00
Amount paid in cash	250,000 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets***Company Funds*

1. Amount secured by mortgages on real estate including:		
First mortgages	\$ 252,557 85	
Interest accrued	2,866 66	
		\$ 255,424 51

*(See Schedule B)*

2. Amount of loans secured by stocks, bonds and other collateral:		3,029 98
Principal		
3. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
Dominion and United Kingdom	\$ 76,000 00	
Interest accrued	570 00	
		76,570 00
4. Book value of stocks		1 00
5. Cash on deposit with chartered banks in Canada		4,865 23
6. All other assets		462 62
Total Company Funds	\$	340,353 34

*Estates, Trusts and Agency Funds*

7. Unrealized assets, investments	\$ 5,840 00	
8. Cash on hand and in banks	682 17	
		\$ 6,522 17

*Summary of Assets*

Company Funds	\$ 340,353 34
Estates, Trusts and Agency Funds	6,522 17
Grand Total of Assets	\$ 346,875 51



## THE BANKERS' TRUST COMPANY—Continued

## Liabilities

## Company Funds

*To the Public:*

1. Taxes other than taxes on real estate .....	\$	6,269 00
2. Other expenses due and accrued .....		100 00
3. Investment reserves .....		12,799 75
Total .....	\$	19,168 75

*To the Shareholders:*

4. Paid-in Capital .....	\$	250,000 00
5. Reserve Fund .....		50,000 00
6. Balance of Profit and Loss Account .....		21,184 59
Total .....	\$	321,184 59
Total Company Funds .....	\$	340,353 34

## Estates, Trusts and Agency Funds

7. Estates, Trusts and Agencies .....	\$	6,522 17
---------------------------------------	----	----------

## Summary of Liabilities

Company Funds .....	\$	340,353 34
Estates, Trusts and Agency Funds .....		6,522 17
Grand Total of Liabilities .....	\$	346,875 51

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$	12,022 05
(b) Collateral loans .....		220 74
(c) Bonds and debentures .....		2,280 00
(d) Dividends on stocks .....		273 16
	\$	14,795 95
2. Agency fees and commissions earned .....		10,311 42
Total .....	\$	25,107 37

## Expenditure

3. License fees and taxes other than taxes on real estate:		
(a) Dominion .....	\$	9,702 62
(b) Provincial .....		351 89
	\$	10,054 51
4. All other expenses incurred:		
(a) Directors' and Advisory Committee fees .....	\$	50 00
(b) Auditors' fees .....		155 00
(c) Printing and stationery .....		20 76
		225 76
5. Net profit transferred to Profit and Loss Account .....		14,827 10
Total .....	\$	25,107 37

## THE BANKERS' TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year . .	\$ 18,857 49
2. Amount transferred from Revenue Account . . .	14,827 10
Total	\$ 33,684 59
3. Dividends to shareholders declared during year	\$ 12,500 00
4. Balance of account at 31st December, 1946.	21,184 59
Total	\$ 33,684 59

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.00.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) February 20th, 1946; (b) March, June, September, December; (c) 5%.
3. Date appointed for the Annual Meeting—Third Wednesday in February.  
Date of last Annual Meeting—February 20th, 1946.

## CONSTATING INSTRUMENTS

Incorporated 20th May, 1905, by special Act of the Legislature of Quebec, 5 Edward VII, chap 78.

Amendments to charter, 9 Edward VII, chap. 114, 7th May, 1909; 5 George V, chap. 125, 5th March, 1915; 7 George V, chap. 102, 22nd December, 1916; 9 George V, chap. 125, 4th March, 1919.

Authorized by special Act of the Legislature of Ontario, 10-11 George V, chap. 156, 4th June, 1920, to transact business therein as specified in Section 5 of the said Act, which enacts as follows:

"(5) The company shall be limited in respect of all business relating to property and civil rights or provincial objects in the Province of Ontario, to the powers mentioned in the schedules to The Loan and Trust Corporations Act, and shall be subject to the general provisions of the said Act and of the general public law of the said Province relating to trust companies and trusts."

The company has a deposit in the Province of Ontario amounting to \$50,000.00. Order-in-Council assented to August 23rd, 1934.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal out-standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
(b) Urban					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
British Columbia.....(b)	7,000 00	86 54	7,086 54		
Ontario.....(b)	6,100 00	119 02	6,219 02		
Quebec.....(b)	239,457 85	2,661 10	242,118 95		
Total.....(b)	252,557 85	Nil	2,866 66	255,424 51	Nil

# THE BRITISH MORTGAGE AND TRUST CORPORATION OF ONTARIO

Head Office, Stratford, Ontario

## OFFICERS

President—HON. NELSON MONTEITH

Vice-President—L. M. JOHNSTON

Manager and Secretary-Treasurer—W. H. GREGORY

## DIRECTORS

HON. NELSON MONTEITH

DR. H. W. BAKER

L. M. JOHNSTON

C. E. MOORE

W. H. GREGORY

A. B. MANSON

DR. H. B. KENNER

Auditors—HENRY J. WELCH, F.C.A.; GORDON D. CAMPBELL, F.C.A.

## CAPITAL

Amount of Capital Stock authorized (50,000 shares of \$100.00 each)	\$ 5,000,000 00
Amount subscribed	1,000,000 00
Amount paid in cash	1,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises		\$ 48,663 48
2. Book value of real estate held for sale:		
Freehold land (including buildings)		47,728 00
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 44,530 65	
Interest due	154 76	
		<u>44,685 41</u>
(See Schedule B)		
4. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 37,419 57	
(b) Canadian municipalities, school districts and rural telephone companies	31,227 97	
		<u>68,647 54</u>
5. Book value of stocks		1,635,796 00
6. Cash on hand		22,622 66
7. Cash on deposit with chartered banks in Canada		152,510 01
8. Advances to estates, trusts, etc., under administration		636 06
Total Company Funds		<u>\$ 2,021,289 16</u>

#### Guaranteed Funds

9. Amount secured by mortgages on real estate including:		
First mortgages	\$ 2,425,073 76	
Agreements for sale	493,921 10	
Interest due	546 64	
		<u>\$ 2,919,541 50</u>

(See Schedule B)

## THE BRITISH MORTGAGE AND TRUST CORPORATION OF ONTARIO—Continued

10. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 4,883,396 70
(b) Provincial and Provincial Guaranteed	408,847 29
(c) Canadian municipalities, school districts and rural telephone companies	50,918 82
	<hr/> \$ 5,343,162 81
11. Book value of Stocks	311,712 50
12. Cash on hand	69,783 72
13. Cash on deposit with chartered banks in Canada, \$194,486.32; elsewhere, \$83,873.94	278,360 26
Total Guaranteed Funds	<hr/> \$ 8,922,560 79 <hr/>

*Estates, Trusts and Agency Funds*

14. Unrealized assets	\$ 250,567 33
15. Investments	460,527 10
16. Cash on hand and in banks	79,959 50
	<hr/> \$ 791,053 93 <hr/>

*Summary of Assets*

Company Funds	\$ 2,021,289 16
Guaranteed Funds	8,922,560 79
Estates, Trusts and Agency Funds	791,053 93
	<hr/>
Grand Total of Assets	<hr/> \$11,734,903 88 <hr/>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 52,275 43
2. Dividends to shareholders declared and unpaid	40,000 00
3. All other liabilities	642 48
	<hr/>
Total	<hr/> \$ 92,917 91 <hr/>

*To the Shareholders:*

4. Paid-in Capital	\$ 1,000,000 00
5. Reserve Fund	850,000 00
6. Balance of Profit and Loss Account	78,371 25
	<hr/>
Total	<hr/> \$ 1,928,371 25 <hr/>
Total Company Funds	<hr/> \$ 2,021,289 16 <hr/>

*Guaranteed Funds*

7. Trust deposits	\$ 4,764,330 17
8. General Guaranteed Funds	\$ 4,117,919 59
Interest due and accrued	40,311 03
	<hr/>
Total Guaranteed Funds	<hr/> 4,158,230 62 <hr/>
	<hr/> \$ 8,922,560 79 <hr/>

## THE BRITISH MORTGAGE AND TRUST CORPORATION OF ONTARIO—Continued

*Estates, Trusts and Agency Funds*

9. Estates	\$ 495,757 35
10. Trusts and Agencies	294,660 52
11. Due to Company Funds	636 06
	<u>\$ 791,053 93</u>

*Summary of Liabilities*

Company Funds	\$ 2,021,289 16
Guaranteed Funds	8,922,560 79
Estates, Trusts and Agency Funds	791,053 93
Grand Total of Liabilities	<u>\$11,734,903 88</u>

**REVENUE ACCOUNT**

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 38,722 34	
(b) Bonds and debentures	3,210 40	
(c) Dividends on stocks	52,100 90	
(d) Bank deposits	215 49	
(e) Other interest earned	33 40	
	<u>\$</u>	94,282 53
2. Profit on sale of securities and real estate—net		2,283 04
3. Profit in guaranteed funds		115,489 42
4. Agency fees and commissions earned		10,666 64
5. All other revenue for the year		3,678 74
6. Rents earned on real estate		8,186 74
Total		<u>\$ 234,587 11</u>

**Expenditure**

7. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 28,000 00	
(b) Provincial	305 00	
(c) Municipal	555 00	
	<u>\$</u>	28,860 00
8. Commissions on loans and on sale of real estate		772 50
9. Amount transferred to Investment Reserves		26,065 61
10. All other expenses incurred:		
(a) Salaries	\$ 41,190 00	
(b) Directors' and Advisory Committee fees	6,416 00	
(c) Auditors' fees and votes of shareholders	4,500 00	
(d) Legal fees	840 90	
(e) Travelling expenses—re inspections	42 50	
(f) Printing and stationery	1,257 37	
(g) Advertising	2,098 71	
(h) Postage, telegrams, telephones and express	1,736 86	
(i) Commission on sale of G.I. Certificates	1,023 35	
(j) Maintenance of Office Premises	2,253 85	
(k) Miscellaneous	19,848 20	
	<u></u>	81,207 74
11. Net profit transferred to Profit and Loss Account		97,681 26
Total		<u>\$ 234,587 11</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$ 60,689 99
2. Amount transferred from Revenue Account	97,681 26
Total	<u>\$ 158,371 25</u>
3. Dividends to shareholders declared during year	\$ 80,000 00
4. Balance of account at 31st December, 1946	78,371 25
Total	<u>\$ 158,371 25</u>



## THE BRITISH MORTGAGE AND TRUST CORPORATION OF ONTARIO—Continued

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$50,000.00.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
 (a) June 3rd, 1946; (b) July 2nd, 1946; (c) 4%.  
 (a) December 2nd, 1946; (b) January 2nd, 1947; (c) 4%.
3. Date appointed for the Annual Meeting—Thursday, February 13th, 1947.  
 Date of last Annual Meeting—Thursday, February 14th, 1946.
4. Amount of interest permanently capitalized during the year \$ 343 04
5. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department 79,959 50
6. Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid:  
 Principal \$ 7,325 00  
 Interest 7,543 97  
 \$ 14,868 97

## CONSTATING INSTRUMENTS

The British Mortgage Loan Company of Ontario was incorporated by Letters Patent of Ontario, dated October 5th, 1877 (Lib. 5, No. 52), issued under R.S.O. 1877, c. 150, which Act was continued by R.S.O. 1887, c. 157, and was as to Loan Corporations superseded by 60 Vic., c. 38 (O), now R.S.O. 1937, c. 257.

By 16 George V, c. 121, the Company was given trust company powers and its name changed to The British Mortgage and Trust Corporation of Ontario.

The lending and the borrowing powers of the Company are derived from its Letters Patent and the above public general statute.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds						
Ontario.....(a)	1,100 00				1,100 00	
Ontario.....(b)	43,430 65		154 76		43,585 41	
Guaranteed Funds						
Ontario.....(a)	92,603 70				92,603 70	
Ontario.....(b)	2,885,877 08	418 50	546 64		2,886,842 22	
Total.....(a)	93,703 70				93,703 70	
Total.....(b)	2,929,307 73	418 50	701 40		2,930,427 63	
Grand Total.....	3,023,011 43	418 50	701 40		3,024,131 33	Nil

**THE BROCKVILLE TRUST AND SAVINGS COMPANY****Head Office, Brockville, Ontario****OFFICERS**

President—J. GILL GARDNER  
 Vice-President—GEO. T. FULFORD

Manager—L. C. DARGAVEL  
 Secretary-Treasurer—E. J. SMITH

**DIRECTORS**

J. GILL GARDNER  
 G. T. FULFORD  
 HON. H. A. STEWART  
 A. G. PARISH, K.C.

L. C. DARGAVEL  
 F. I. RITCHIE  
 J. M. DOBBIE  
 E. C. COSSITT

W. B. REYNOLDS

Auditors—ARTHUR A. CRAWLEY & COMPANY, Brockville, Ontario

**CAPITAL**

Amount of Capital authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed .....	500,000 00
Amount paid in cash .....	500,000 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets****Company Funds**

1. Amount secured by mortgages on real estate including:			
First mortgages	\$	558,519 93	
Agreements for sale		21,637 46	
Interest due		59 40	
Interest accrued		6,059 35	
			\$ 586,276 14
(See Schedule B)			
2. Amount of loans secured by stocks, bonds and other collateral:			
Principal	\$	879 00	
Interest accrued		10 35	
			889 35
3. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom	\$	125,297 40	
Interest accrued		1,254 15	
			\$ 126,551 55
(b) Provincial and Provincial Guaranteed	\$	72,063 87	
Interest accrued		899 48	
			72,963 35
(c) Canadian municipalities, school districts and rural telephone companies	\$	8,930 15	
Interest accrued		117 50	
			9,047 65
			208,562 55
4. Book value of stocks			48,059 34
5. Cash on hand			6,000 00
6. Advances to estates, trusts, etc., under administration			1,500 55
7. All other assets			1,779 76
Total Company Funds			\$ 853,067 69

## THE BROCKVILLE TRUST AND SAVINGS COMPANY—Continued

*Guaranteed Funds*

8. Amount secured by mortgages on real estate including:		
First mortgages	\$ 1,197,013	98
Interest due	(Cr.)	218 20
Interest accrued	14,910	43
	\$ 1,211,706	21

(See Schedule B)

9. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom \$	95,366	38
Interest accrued	743	39
	\$ 96,109	77
(b) Provincial and Provincial Guaranteed	\$ 95,317	55
Interest accrued	1,178	70
	96,496	25
(c) Canadian municipalities, school districts and rural telephone companies	\$ 17,979	11
Interest accrued	213	98
	18,193	09
		210,799 11
10. Cash on deposit with chartered banks in Canada		108,008 16
Total Guaranteed Funds		\$ 1,530,513 48

*Estates, Trusts and Agency Funds*

11. Unrealized assets	\$ 1,595,427	25
12. Investments	348,951	13
13. Cash on hand and in banks	176,557	34
Total		\$ 2,120,935 72

*Summary of Assets*

Company Funds	\$ 853,067	69
Guaranteed Funds	1,530,513	48
Estates, Trusts and Agency Funds	2,120,935	72
Grand Total of Assets	\$ 4,504,516	89

**Liabilities***Company Funds**To the Public:*

1. Money borrowed from banks:		
* Without security	\$ 34,452	26
2. Taxes other than taxes on real estate	14,448	45
3. Dividends to shareholders declared and unpaid	10,000	27
4. Investment reserves	46,174	95
5. All other liabilities	4,000	00
Total	\$ 109,075	93

*To the Shareholders:*

6. Paid-in Capital	500,000	00
7. Reserve Fund	225,000	00
8. General Contingency Reserve	2,000	00
9. Balance of Profit and Loss Account	16,991	76
Total	\$ 743,991	76
Total Company Funds	\$ 853,067	69

## THE BROCKVILLE TRUST AND SAVINGS COMPANY—Continued

*Guaranteed Funds*

10. Trust deposits .....		\$ 948,671 53
11. General Guaranteed Funds .....	\$ 576,400 00	
Interest due and accrued .....	5,441 95	
	<hr/>	581,841 95
Total Guaranteed Funds .....		<hr/> \$ 1,530,513 48

*Estates, Trusts and Agency Funds*

12. Estates .....	\$ 1,327,345 32	
13. Trusts and Agencies .....	792,090 40	
14. Due to Company Funds .....	1,500 00	
	<hr/>	\$ 2,120,935 72

*Summary of Liabilities*

Company Funds .....	\$ 853,067 69
Guaranteed Funds .....	1,530,513 48
Estates, Trusts and Agency Funds .....	2,120,935 72
	<hr/>
Grand Total of Liabilities .....	<hr/> \$ 4,504,516 89

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$ 30,650 83	
(b) Collateral loans .....	92 69	
(c) Bonds and debentures .....	7,437 06	
(d) Dividends on stocks .....	1,674 00	
(e) Other interest earned .....	133 51	
	<hr/>	\$ 39,988 09
2. Profit on sale of securities and real estate .....		1,827 82
3. Profit in guaranteed funds .....		38,590 18
4. Agency fees and commissions earned .....		14,670 90
5. All other revenue for the year .....		792 05
		<hr/>
Total .....		<hr/> \$ 95,869 04

*Expenditure*

6. Interest incurred .....	\$ 252 35
7. License fees and taxes other than taxes on real estate:	
(a) Dominion .....	\$ 23,622 70
(b) Provincial .....	694 00
(c) Municipal .....	370 00
	<hr/>
	\$ 24,686 70
8. Commissions on loans and on sale of real estate .....	2,341 10
9. All other expenses incurred:	
(a) Salaries .....	\$ 21,959 68
(b) Directors' and Advisory Committee fees .....	1,925 00
(c) Auditors' fees .....	700 00
(d) Legal fees .....	159 69
(e) Rents .....	1,800 00
(f) Travelling expenses .....	907 40
(g) Printing and stationery .....	1,838 25
(h) Advertising .....	563 45
(i) Postage, telegrams, telephones and express .....	691 55
(j) Commission on sale of G.I. Certificates .....	282 50
(k) Maintenance of Office Premises .....	411 37
(l) Miscellaneous .....	2,531 85
	<hr/>
	33,770 74
10. Net profit transferred to Profit and Loss Account .....	34,818 15
	<hr/>
Total .....	<hr/> \$ 95,869 04



## THE BROCKVILLE TRUST AND SAVINGS COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	25,905 19
2. Amount transferred from Revenue Account		34,818 15
3. Amount transferred from General Contingency Reserve		11,654 16
Total	\$	72,377 50
4. Dividends to shareholders declared during year	\$	28,750 00
5. Amount transferred to Reserve Fund		25,000 00
6. Employees' Benefit and Insurance Fund		1,635 74
7. Balance of account at 31st December, 1946		16,991 76
Total	\$	72,377 50

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation, \$24,000.00.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - March 11th, 1946; (b) April 1st, 1946; (c) .62½¢ per share.
  - June 17th, 1946; (b) July 1st, 1946; (c) .62½¢ per share.
  - September 16th, 1946; (b) October 1st, 1946; (c) .62½¢ per share.
  - November 18th, 1946; (b) January 2nd, 1947; (c) .62½¢ per share.
  - November 18th, 1946; (b) January 2nd, 1947; (c) .37½¢ per share.
- Date appointed for the Annual Meeting—February 12th, 1947.  
Date of last Annual Meeting—February 13th, 1946.
- Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department \$ 36,798 84
- Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid 1,860 00

## CONSTATING INSTRUMENTS

Incorporated by declaration filed May 11th, 1885, with the Clerk of the Peace for the United Counties of Leeds and Grenville. The declaration was made by virtue of "The Building Societies Act," R.S.O. 1877, c. 164, continued by R.S.O. 1887, c. 169, and superseded by 60 Vic., c. 38 (O), now R.S.O. 1897, c. 205. See R.S.O. 1937, c. 257.

The lending and borrowing powers are derived from the above public General Acts.

By a Special Act of the Legislature of Ontario, 19 Geo. V, c. 130, the Company was granted the powers of a trust company and its authorized capital stock was increased from \$500,000 to \$1,000,000. Its name was changed to The Brockville Trust and Savings Company.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal out-standing		Charges out-standing		Interest due and unpaid		Interest accrued		Totals		Amount of interest due and not charged	
(a) Farm (b) Urban												
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
Company Funds												
Ontario.....(a)	18,797	97	111	69	24	15	175	95	19,109	67		
Ontario.....(b)	561,088	85	158	97	35	25	5,883	40	567,166	47		
Guaranteed Funds												
Ontario.....(a)	8,500	00					53	05	8,553	05		
Ontario.....(b)	1,188,507	16	6	82	Cr. 218	20	14,857	38	1,203,153	16		
Total.....(a)	27,297	97	111	69	24	15	229	00	27,266	72		
Total.....(b)	1,749,596	01	165	79	Cr. 182	59	20,740	78	1,770,319	63		
Grand Total.....	1,776,893	98	277	39	Cr. 158	80	20,969	78	1,797,932	35	Nil	





## THE CANADA PERMANENT TRUST COMPANY—Continued

*Guaranteed Funds*

7. Amount secured by mortgages on real estate including:			
First mortgages	\$	150,691	51
Interest due		558	55
Interest accrued		1,371	33
			\$ 152,621 39
(See Schedule B)			
8. Book value of bonds:			
(a) Government and Government Guaranteed:			
Dominion	\$	35,000	00
Interest accrued		86	30
			\$ 35,086 30
(b) Provincial and Provincial Guaranteed	\$	25,496	68
Interest accrued		331	51
			25,828 19
			60,914 49
9. Cash on deposit with Canada Permanent Mortgage Corporation			11,382 97
Total Guaranteed Funds	\$	224,918	85

*Estates, Trusts and Agency Funds*

10. Unrealized assets	\$43,624,922	27	
11. Investments	20,043,285	19	
12. Cash on hand and in banks	4,932,609	95	
			\$68,600,817 41

*Summary of Assets*

Company Funds	\$ 1,699,390	17
Guaranteed Funds	224,918	85
Estates, Trusts and Agency Funds	68,600,817	41
Grand Total of Assets	\$70,525,126	43

*Liabilities**Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$	17,500	00
2. Dividends to shareholders declared and unpaid		15,000	00
3. Investment reserves		79,149	22
4. All other liabilities		5,272	00
Total	\$	116,921	22

*To the Shareholders:*

5. Paid-in Capital	\$	1,000,000	00
6. Reserve Fund		500,000	00
7. Balance of Profit and Loss Account		82,468	95
Total	\$	1,582,468	95
Total Company Funds	\$	1,699,390	17

*Guaranteed Funds*

8. Specific Guaranteed Funds	\$	167,750	00
Interest due and accrued		1,710	46
	\$	169,460	46

## THE CANADA PERMANENT TRUST COMPANY—Continued

9. General Guaranteed Funds	\$ 54,927 23	
Interest due and accrued	531 16	
	<u>\$</u>	55,458 39
Total Guaranteed Funds		<u>\$ 224,918 85</u>

*Estates, Trusts and Agency Funds*

10. Estates, Trusts and Agencies		\$68,600,817 41
----------------------------------	--	-----------------

*Summary of Liabilities*

Company Funds	\$ 1,699,390 17
Guaranteed Funds	224,918 85
Estates, Trusts and Agency Funds	68,600,817 41
Grand Total of Liabilities	<u>\$70,525,126 43</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 27,348 68	
(b) Collateral loans	727 92	
(c) Bonds and debentures	21,203 39	
(d) Dividends on stocks	17,586 00	
(e) Bank deposits	650 07	
(f) Other interest earned	41 53	
	<u>\$</u>	67,557 59
2. Profit on sale of securities		7,178 05
3. Profit in guaranteed funds		3,428 35
4. Agency fees and commissions earned		356,362 99
5. All other revenue for the year		29,474 19
Total		<u>\$ 464,001 17</u>

## Expenditure

6. Amount by which ledger values of assets were written down	\$	5,277 15
7. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 37,100 10	
(b) Provincial	1,068 20	
(c) Municipal	7,129 47	
	<u>\$</u>	45,297 77
8. All other expenses incurred:		
(a) Salaries	\$ 219,556 27	
(b) Directors' and Advisory Committee fees	2,200 00	
(c) Auditors' fees	10,316 60	
(d) Legal fees	1,536 50	
(e) Rents	33,300 00	
(f) Travelling expenses	5,168 06	
(g) Printing and stationery	7,956 60	
(h) Advertising	13,007 78	
(i) Postage, telegrams, telephones and express	6,241 90	
(j) Miscellaneous	33,540 62	
		332,824 33
9. Net profit transferred to Profit and Loss Account		80,601 92
Total		<u>\$ 464,001 17</u>

## THE CANADA PERMANENT TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	61,867 03
2. Amount transferred from Revenue Account		80,601 92
Total	\$	142,468 95
3. Dividends to shareholders declared during year	\$	60,000 00
4. Balance of account at 31st December, 1946		82,468 95
Total	\$	142,468 95

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation, \$100,000.00.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - March 20th, 1946; (b) April 1st, 1946; (c) 1½%.
  - June 12th, 1946; (b) July 2nd, 1946; (c) 1½%.
  - September 18th, 1946; (b) October 1st, 1946; (c) 1½%.
  - December 18th, 1946; (b) January 2nd, 1947; (c) 1½%.
- Date appointed for the Annual Meeting—January 31st, 1947.  
Date of last Annual Meeting—February 1st, 1946.
- Amount belonging to Estates, Trusts and Agency Funds held on deposit in Canada Permanent Mortgage Corporation \$ 4,716,031 93

## CONSTATING INSTRUMENTS

The Canada Permanent Trust Company was incorporated in 1913 by a Special Act of Parliament of the Dominion of Canada, 3-4 Geo. V, c. 87.

Authorized by Order-in-Council (May 7th, 1913), to carry on business in the Province of Ontario as a Trust Company, pursuant to the provisions of The Loan and Trust Corporations Act. R.S.O. 1927, c. 223.

In 1927 the Company purchased the assets and business of The Brantford Trust Company, which purchase was ratified by Order-in-Council of Ontario, dated 31st day of August, 1927, pursuant to The Loan and Trust Corporations Act.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
(a) Farm (b) Urban						
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Ontario.....(a)	4,300 00		122 51		4,422 51	
Ontario.....(b)	493,666 71	1,113 98	2,287 81		497,068 50	
Manitoba.....(b)	872 00		15		872 15	
British Columbia.....(b)	2,244 10		3 75		2,247 85	
New Brunswick.....(b)	8,638 14		60 00		8,698 14	
Alberta.....(a)	2,656 63		40 75		2,697 38	
Nova Scotia.....(a)	4,897 00		280 44		5,177 44	
Nova Scotia.....(b)	6,507 85		208 07		6,715 92	
Totals.....(a)	11,853 63		443 70		12,297 33	
.....(b)	511,928 80	1,113 98	2,559 78		515,602 56	
Grand Total.....	523,782 43	1,113 98	3,003 48		527,899 89	
Less Investment Reserves.....(b)	2,995 40				2,995 40	
Net Total.....	520,787 03	1,113 98	3,003 48		524,904 49	
Guaranteed Funds Ontario.....(b)	150,362 81	328 70	558 55	1,371 33	152,621 39	Nil

# THE CANADA TRUST COMPANY

Head Office, London, Ontario

## OFFICERS

Chairman of the Board—COL. IBBOTSON LEONARD, D.S.O.  
 President—M. AYLSWORTH Vice-President—J. W. HOBBS  
 General Manager—M. AYLSWORTH Secretary—D. MCEACHERN  
 Treasurer—C. J. CLARKE

## DIRECTORS

COL. I. LEONARD, D.S.O.	J. B. DAVIDSON, K.C.	J. E. MCCONNELL
M. AYLSWORTH	F. P. DAWSON, K.C.	J. J. MCHALE
J. W. HOBBS	W. H. GARDNER	J. M. RIDDELL, K.C.
H. E. COCHRAN, C.B.E.	HON. A. ST. C. GORDON	S. J. SMITH
W. H. COOPER	G. F. LAING	MAJ.-GEN. A. C. SPENCER, E.D.
R. H. CRONYN	W. L. MARA	E. A. WILSON

Auditors—J. V. MAPP, F.C.A., AND KRIS A. MAPP, F.C.A., of Henry Barber,  
 Mapp & Mapp, Chartered Accountants.

## CAPITAL

Amount of Capital Stock authorized (11,000 shares of \$100.00 each)	\$ 1,100,000 00
Amount subscribed	1,048,900 00
Amount paid in cash:	
On \$986,900 stock fully called	\$ 986,900 00
On \$ 52,000 stock 25% called	13,000 00
On \$ 10,000 stock 1% called	100 00
	<u>1,000,000 00</u>

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

- Amount secured by mortgages on real estate including:
 

First mortgages	\$ 620,817 93
Agreements for sale	490,798 28
	<u>\$ 1,111,616 21</u>

(See Schedule B)

- Amount of loans secured by stocks, bonds and other collateral:
 

Principal	853 07
Interest accrued	17 87
	<u>870 94</u>
  - Book value of bonds, debentures and debenture stocks:
 

Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 325,097 28
Interest accrued	2,239 94
	<u>\$ 327,337 22</u>
(b) Provincial and Provincial Guar- anteed	
	\$ 106,818 71
Interest accrued	985 65
	<u>107,804 36</u>
(c) All other bonds	9,399 13
	<u>444,540 71</u>
  - Book value of stocks
  - Cash on hand
  - Cash on deposit with chartered banks in Canada, \$62,143.64; elsewhere, \$18,127.89
  - Advances to estates, trusts, etc., under administration
- |                     |                        |
|---------------------|------------------------|
| Total Company Funds | <u>\$ 1,794,200 26</u> |
|---------------------|------------------------|



## THE CANADA TRUST COMPANY—Continued

*Guaranteed Funds*

8. Amount secured by mortgages on real estate including:			
First mortgages	\$ 3,362,447	71	
Agreements for sale	141,071	98	
Interest due	5,020	44	
Interest accrued	38,243	17	
			\$ 3,546,783 30
(See Schedule B)			
9. Amount of loans secured by stocks, bonds and other collateral:			
Principal	\$ 147,270	03	
Interest due	83	70	
Interest accrued	1,344	65	
			148,698 38
10. Book value of bonds, debentures and debenture stocks:			
(a) Government and Government Guaranteed:			
Dominion and United Kingdom	\$ 3,035,130	00	
Interest accrued	15,682	56	
			\$ 3,050,812 56
(b) Provincial and Provincial Guaranteed	\$ 196,847	17	
Interest accrued	2,257	86	
			199,105 03
(c) Canadian municipalities, school districts and rural telephone companies	\$ 11,442	62	
Interest due (Cr.)	160	46	
			11,282 16
(d) All other bonds	15,000	00	
Interest accrued	218	63	
			15,218 63
			3,276,418 38
11. Book value of stocks			601,465 44
12. Cash on deposit with chartered banks in Canada, \$209,436.94; elsewhere, \$159,689.87			369,126 81
Total Guaranteed Funds			\$ 7,942,492 31

*Estates, Trusts and Agency Funds*

13. Unrealized assets	\$20,283,170	24	
14. Investments	13,408,781	86	
15. Cash on hand and in banks	2,468,926	03	
			\$36,160,878 13

*Summary of Assets*

Company Funds	\$ 1,794,200	26	
Guaranteed Funds	7,942,492	31	
Estates, Trusts and Agency Funds	36,160,878	13	
Grand Total of Assets	\$45,897,570	70	

*Liabilities**Company Funds*

<i>To the Public:</i>			
1. Taxes other than taxes on real estate	\$	12,000	00
2. Dividends to shareholders declared and unpaid		30,000	00
3. Provision for Staff Pension Fund		10,694	00
Total	\$	52,694	00

*To the Shareholders:*

4. Paid-in Capital	\$ 1,000,000	00	
5. Reserve Fund	700,000	00	
6. Balance of Profit and Loss Account		41,506	26
Total	\$ 1,741,506	26	
Total Company Funds	\$ 1,794,200	26	

**THE CANADA TRUST COMPANY—Continued***Guaranteed Funds*

7. Trust deposits	\$ 4,535,667	53
8. Specific Guaranteed Funds		162,000 00
9. General Guaranteed Funds	\$ 3,215,280	51
Interest due and accrued	29,544	27
		<u>3,244,824 78</u>
Total Guaranteed Funds	\$ 7,942,492	<u>31</u>

*Estates, Trusts and Agency Funds*

10. Estates, Trusts and Agencies	\$36,065,548	13
11. Due to Company Funds	95,330	00
		<u>\$36,160,878 13</u>

*Summary of Liabilities*

Company Funds	\$ 1,794,200	26
Guaranteed Funds	7,942,492	31
Estates, Trusts and Agency Funds	36,160,878	13
		<u>\$45,897,570 70</u>

**REVENUE ACCOUNT****Income**

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 69,823	36
(b) Collateral loans	40	74
(c) Bonds and debentures	12,413	89
(d) Dividends on stocks	4,500	00
(e) Bank deposits	114	54
(f) Other interest earned	7,295	95
		<u>\$ 94,188 48</u>
2. Profit on sale of securities and real estate		9 15
3. Profit in guaranteed funds		103,523 05
4. Agency fees and commissions earned		288,533 78
5. All other revenue for the year		24,426 17
		<u>\$ 510,680 63</u>

**Expenditure**

6. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 27,227	45
(b) Provincial	2,812	46
(c) Municipal	2,731	88
		<u>\$ 32,771 79</u>
7. Amount transferred to Investment Reserves		15,000 00
8. All other expenses incurred:		
(a) Salaries	\$ 249,348	03
(b) Directors' and Advisory Committee fees	10,549	00
(c) Auditors' fees	9,299	99
(d) Legal fees	1,416	90
(e) Rents	32,490	00
(f) Travelling expenses	8,318	77
(g) Printing and stationery	6,765	68
(h) Advertising	14,623	25
(i) Postage, telegrams and telephones	5,461	43
(j) Miscellaneous	57,764	52
		<u>396,037 57</u>
9. Net profit transferred to Profit and Loss Account		66,871 27
		<u>\$ 510,680 63</u>

## THE CANADA TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 34,634 99
2. Amount transferred from Revenue Account	66,871 27
Total	<u>\$ 101,506 26</u>
3. Dividends to shareholders declared during year	\$ 60,000 00
4. Balance of account at 31st December, 1946	41,506 26
Total	<u><u>\$ 101,506 26</u></u>

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$500,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) June 15th, 1946; (b) July 2nd, 1946; (c) 3%.  
(a) December 15th, 1946; (b) January 2nd, 1947; (c) 3%.
3. Date appointed for the Annual Meeting—February 12th, 1947.  
Date of last Annual Meeting—February 13th, 1946.
4. Amount of Company's own Guaranteed Trust Certificates and interest thereon, due and unpaid \$ 19,584 72

## CONSTATING INSTRUMENTS

1894—57-58 Victoria, Chapter 115, Canada—An Act incorporating The General Trust Corporation of Canada.

1899—62-63 Victoria, Chapter 111, Canada—An Act changing the name of The General Trust Corporation of Canada to The Canada Trust Company and authorizing certain investments of funds other than trust funds, and authorizing an increase of capital subject to certain limitations.

1922—12-13 Geo. V, Chapter 67, Canada—An Act increasing the Company's board of directors from 9 to 21 and authorizing the Company to receive money on deposit.

1930—January 21st—An Order of the Lieutenant-Governor of the Province of Ontario in Council assenting to an agreement for the purchase by The Canada Trust Company of The Consolidated Trusts Corporation.

1938—April 9th—An Order of the Lieutenant-Governor of the Province of Ontario in Council assenting to an agreement for the purchase by the Canada Trust Company of The Community Trusts Corporation.

The powers of the Company are defined by sections of the incorporating Act which powers are (Section 4) to be deemed subject to the laws of the Province.

## THE CANADA TRUST COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds:</b>						
Ontario.....(a)	82,363 56	291 20	7 20	2,212 78	84,874 74	835 93
Ontario.....(b)	394,279 30	1,663 48	866 56	3,647 21	400,456 55	.....
Quebec.....(b)	530,268 05	113 00	1,425 01	1,715 21	533,521 27	.....
Saskatchewan.....(a)	96,036 56	4,165 46	Cr. 454 92	2,243 47	101,990 57	705 00
Saskatchewan.....(b)	2,157 34	749 21	228 79	28 65	3,163 99	.....
Alberta.....(a)	103,176 44	787 12	2,040 18	4,415 37	110,419 11	1,750 05
<b>Total.....(a)</b>	281,576 56	5,243 78	1,592 46	8,871 62	297,284 42	3,290 98
<b>Total.....(b)</b>	926,704 69	2,525 69	2,520 36	5,391 07	937,141 81	.....
<b>Guaranteed Funds:</b>						
Ontario.....(a)	30,283 26	.....	341 20	952 71	31,577 17	.....
Ontario.....(b)	1,811,791 87	6,036 24	4,181 57	21,132 01	1,843,141 69	1,974 00
Quebec.....(b)	1,578,521 88	5,283 05	439 38	15,189 27	1,599,433 58	.....
British Columbia.....(b)	71,598 39	5 00	58 29	969 18	72,630 86	.....
<b>Total.....(a)</b>	30,283 26	.....	341 20	952 71	31,577 17	.....
<b>Total.....(b)</b>	3,461,912 14	11,324 29	4,679 24	37,290 46	3,515,206 13	1,974 00
<b>Total Guaranteed Funds.</b>	3,492,195 40	11,324 29	5,020 44	38,243 17	3,546,783 30	1,974 00
<b>Total Company Funds...</b>	1,208,281 25	7,769 47	4,112 82	14,262 69	1,234,426 23	3,290 98





**CAPITAL TRUST CORPORATION, LIMITED—Continued**

6. Book value of stocks	\$ 44,915 25
7. Cash on hand	6,150 12
8. Cash on deposit with chartered banks in Canada	9,145 61
9. Advances to estates, trusts, etc., under administration	414 89
10. All other assets	7,033 22

Total Company Funds \$ 1,358,597 35

**Guaranteed Funds**

11. Amount secured by mortgages on real estate including:	
First mortgages	\$ 4,693,934 28
Agreements for sale	7,932 11
Interest due	Cr. 3,186 82
Interest accrued	43,773 86
	<u>\$ 4,742,453 43</u>

*(See Schedule B)*

12. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 2,010 50
Interest due	Cr. 52 86
Interest accrued	6 91
	<u>1,964 55</u>
13. Book value of bonds, debentures and debenture stocks	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 1,859,713 35
Interest accrued	12,178 07
	<u>\$ 1,871,891 42</u>
(b) Provincial and Provincial Guaranteed	\$ 1,843,883 02
Interest accrued	13,562 73
	<u>1,857,445 75</u>
	<u>3,729,337 17</u>
14. Cash on hand	107,254 28
15. Cash on deposit with chartered banks in Canada, \$172,942.73; elsewhere, \$1,211.84	174,154 57
Total Guaranteed Funds	<u>\$ 8,755,164 00</u>

**Estates, Trusts and Agency Funds**

16. Unrealized assets	\$ 5,554,934 46
17. Investments	3,878,572 01
18. Cash on hand and in banks	337,493 92
	<u>\$ 9,771,000 39</u>

**Summary of Assets**

Company Funds	\$ 1,358,597 35
Guaranteed Funds	8,755,164 00
Estates, Trusts and Agency Funds	9,771,000 39
Grand Total of Assets	<u>\$19,884,761 74</u>

**Liabilities****Company Funds***To the Public:*

1. Taxes other than taxes on real estate	\$ 33,105 78
2. Dividends to shareholders declared and unpaid	35,455 01
3. All other liabilities	17,010 48
Total	<u>\$ 85,571 27</u>

*To the Shareholders:*

4. Paid-in Capital	\$ 886,375 33
5. Reserve Fund	275,000 00
6. General Contingency Reserve	100,000 00
7. Balance of Profit and Loss Account	11,650 75
Total	<u>\$ 1,273,026 08</u>

Total Company Funds \$ 1,358,597 35

## CAPITAL TRUST CORPORATION, LIMITED—Continued

*Guaranteed Funds*

8. Trust deposits.....		\$ 4,360,555 55
9. Specific Guaranteed Funds.....	\$ 4,207,370 71	
Interest due and accrued.....	187,237 74	
		<u>4,394,608 45</u>
Total Guaranteed Funds.....		<u>\$ 8,755,164 00</u>

*Estates, Trusts and Agency Funds*

10. Estates, Trusts and Agencies.....	\$ 9,770,585 00	
11. Due to Company Funds.....	414 89	
		<u>\$ 9,771,000 39</u>

*Summary of Liabilities*

Company Funds.....	\$ 1,358,597 35
Guaranteed Funds.....	8,755,164 00
Estates, Trusts and Agency Funds.....	9,771,000 39
	<u>\$19,884,761 74</u>

## REVENUE ACCOUNT

*Income*

1. Rents earned, <i>net</i> —on office premises.....	\$ 1,185 15
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale.....	\$ 14,125 51
(b) Collateral loans.....	3,348 73
(c) Bonds and debentures.....	22,276 31
(d) Dividends on stocks.....	2,430 48
(e) Other interest earned.....	5,093 94
	<u>47,274 97</u>
3. Profit on sale of securities and real estate.....	13,201 76
4. Profit in guaranteed funds.....	147,971 22
5. Agency fees and commissions earned.....	98,925 67
6. All other revenue for the year.....	6,396 52
Total.....	<u>\$ 314,955 29</u>

*Expenditure*

7. Loss on sale of securities and real estate owned.....	\$ 4,658 34
8. Amount by which ledger values of assets were written down.....	2,024 42
9. License fees and taxes other than taxes on real estate:	
(a) Dominion.....	\$ 35,355 85
(b) Provincial.....	697 67
(c) Municipal.....	3,275 24
	<u>39,328 76</u>
10. Commissions on loans and on sale of real estate.....	8,337 34
11. All other expenses incurred:	
(a) Salaries.....	\$ 128,102 43
(b) Directors' and Advisory Committee fees.....	3,660 00
(c) Auditors' fees.....	2,500 00
(d) Legal fees.....	2,716 08
(e) Rents.....	12,757 50
(f) Travelling expenses.....	2,656 33
(g) Printing and stationery.....	6,016 20
(h) Advertising.....	7,425 44
(i) Postage, telegrams, telephones and express.....	5,307 98
(j) Maintenance of Office Premises.....	2,542 54
(k) Miscellaneous.....	18,866 83
	<u>192,551 33</u>
12. Net profit transferred to Profit and Loss Account.....	68,055 10
Total.....	<u>\$ 314,955 29</u>

## CAPITAL TRUST CORPORATION, LIMITED—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	10,030 05
2. Amount transferred from Revenue Account		68,055 10
Total	\$	78,085 15
3. Dividends to shareholders declared during year	\$	35,455 01
4. Provision for Pension Fund		10,979 39
5. Amount transferred to Reserve Fund		20,000 00
6. Balance of account at 31st December, 1946		11,650 75
Total	\$	78,085 15

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$50,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) December 17th, 1946; (b) March 1st, 1947; (c) \$4.00 per share.
3. Date appointed for the Annual Meeting—February 10th, 1947.  
Date of last Annual Meeting—February 12th, 1946.
4. Amount of interest permanently capitalized during the year \$ 1,104 23
5. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department 118,426 50

## CONSTATING INSTRUMENTS

The Capital Trust Corporation, Limited, was incorporated in 1912 by Special Act of the Parliament of Canada (2 Geo. V, c. 81).

Registered on the Trust Companies' register on the 13th day of November, 1913, to transact business in the Province of Ontario, with powers restricted to the provisions of The Loan and Trust Corporations Act.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of Interest due and not Charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Ontario.....(b)	244,997 73	143 84	528 02	1,841 50	246,167 37	.....
Quebec.....(b)	16,000 00			265 20	16,265 20	.....
	260,997 73	cr. 143 84	cr. 528 02	2,106 70	262,432 57	.....
Guaranteed Funds:						
Ontario.....(b)	4,524,315 69	161 84	cr. 3,203 53	41,766 90	4,563,040 90	.....
Quebec.....(b)	9,519 29	57 46	50 29	78 20	9,705 24	.....
	167,812 11		cr. 33 58	1,928 76	169,707 29	.....
	4,701,647 09	219 30	cr. 3,186 82	43,773 86	4,742,453 42	.....
Total Company..	260,997 73	cr. 143 84	cr. 528 02	2,106 70	262,432 57	.....
Total Guaranteed	4,701,647 09	219 30	cr. 3,186 82	43,773 86	4,742,453 43	.....
Grand Total.....	4,962,644 82	75 46	cr. 3,714 84	45,880 56	5,004,886 00	.....

# CHARTERED TRUST AND EXECUTOR COMPANY

Head Office, Toronto, Ontario

## OFFICERS

President—ROLPH R. CORSON

Vice-Presidents—JOHN J. GIBSON, LL.D.

COL. K. R. MARSHALL, C.M.G., D.S.O., V.D.

Manager—HENRY E. LANGFORD

Secretary—E. W. MCNEILL

## DIRECTORS

LIEUT.-COL. JOHN H. CHIPMAN, M.C., V.D.

ROLPH R. CORSON

JOHN J. GIBSON, LL.D.

COL. K. R. MARSHALL, C.M.G., D.S.O., V.D.

STEWART G. BENNETT

A. L. ELLSWORTH

ALEX. B. GORDON

C. G. GREENSHIELDS, K.C.

GORDON C. LEITCH

JOHN D. HAYES

J. MAITLAND MACINTOSH, K.C.

J. A. MARTIN

FRANK McLAUGHLIN

NORMAN J. McLEAN

GORDON McMILLAN, K.C.

J. A. SCYTHES

NORMAN C. URQUHART

L. F. WINCHELL

WILLIAM L. BAYER

Auditors—HARVEY A. LEVER, C.A., AND J. FRANK HOSKIN, C.A.

## CAPITAL

Amount of Capital Stock authorized (25,000 shares of \$100.00 each)	\$ 2,500,000 00
Amount subscribed	1,000,000 00
Amount paid in cash	1,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$ 343,402 77
2. Amount secured by mortgages on real estate including:	
First mortgages	\$ 78,889 25
Interest accrued	658 66
	79,547 91

#### (See Schedule B)

3. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 244,637 40
Interest accrued	2,103 13
	246,740 53
4. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 822,503 84
Interest accrued	2,466 87
	\$ 824,970 71
(b) Provincial and Provincial Guaranteed	\$ 658 55
Interest accrued	11 66
	670 21
(c) Canadian municipalities, school districts and rural telephone companies	\$ 15,571 76
Interest accrued	123 99
	15,695 75
(d) All other bonds	\$ 148,736 23
Interest accrued	1,351 00
	150,087 23
	991,423 90

## CHARTERED TRUST AND EXECUTOR COMPANY—Continued

5. Book value of stocks	\$ 311,379 04	
Accrued dividends thereon	1,532 38	
	<u>\$</u>	312,911 42
6. Cash on hand		3,540 00
7. Cash on deposit with chartered banks in Canada, \$76,229.03; elsewhere, \$83.24		76,312 27
8. Advances to estates, trusts, etc., under administration		7,955 00
9. Accounts Receivable		18,036 57
10. All other assets		8,734 17
Total Company Funds		<u>\$ 2,088,604 54</u>

## Guaranteed Funds

11. Amount secured by mortgages on real estate including:		
First mortgages	\$ 642,862 24	
Agreements for sale	2,150 27	
Interest due	32 15	
Interest accrued	7,009 14	
	<u>\$</u>	652,053 80

(See Schedule B)

12. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 2,230,165 50	
Interest accrued	5,234 33	
	<u></u>	2,235,399 83
13. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 5,736,171 37	
Interest accrued	30,850 79	
	<u>\$</u>	5,767,022 16
(b) Provincial and Provincial Guaranteed	\$ 401,677 38	
Interest accrued	3,240 56	
	<u></u>	404,917 94
(c) Canadian municipalities, school districts and rural telephone companies	\$ 152,624 86	
Interest accrued	739 41	
	<u></u>	153,364 27
(d) All other bonds	\$ 2,995 92	
Interest accrued	36 73	
	<u></u>	3,032 65
		<u>6,328,337 02</u>
14. Cash on hand		20,000 00
15. Cash on deposit with chartered banks in Canada		201,548 99
Total Guaranteed Funds		<u>\$ 9,437,339 64</u>

## Estates, Trusts and Agency Funds

16. Unrealized assets	\$18,390,770 61	
17. Investments	6,904,669 30	
18. Cash on hand and in banks	1,628,995 11	
	<u>\$26,924,435 02</u>	

## Summary of Assets

Company Funds	\$ 2,088,604 54
Guaranteed Funds	9,437,339 64
Estates, Trusts and Agency Funds	26,924,435 02
Grand Total of Assets	<u>\$38,450,379 20</u>



## CHARTERED TRUST AND EXECUTOR COMPANY—Continued

## Liabilities

## Company Funds

## To the Public:

1. Taxes other than taxes on real estate	\$	49,485	08
2. Dividends to shareholders declared and unpaid		12,500	00
3. Other expenses due and accrued		67,099	17
4. Investment reserves		100,079	11
5. All other liabilities		14,349	40
Total	\$	243,512	76

## To the Shareholders:

6. Paid-in Capital	\$	1,000,000	00
7. Reserve Fund		750,000	00
8. Balance of Profit and Loss Account		95,091	78
Total	\$	1,845,091	78
Total Company Funds	\$	2,088,604	54

## Guaranteed Funds

9. Trust deposits		\$	8,292,770	34
10. Specific Guaranteed Funds	\$	1,044,241	50	
Interest due and accrued		1,754	87	
			1,045,996	37
11. General Guaranteed Funds	\$	98,572	78	
Interest due and accrued			15	
			98,572	93
Total Guaranteed Funds	\$	9,437,339	64	

## Estates, Trusts and Agency Funds

12. Estates	\$ 9,436,084	32
13. Trusts and Agencies	17,480,395	70
14. Due to Company Funds	7,955	00
	<u>\$26,924,435</u>	<u>02</u>

## Summary of Liabilities

Company Funds	\$	2,088,604	54
Guaranteed Funds		9,437,339	64
Estates, Trusts and Agency Funds		26,924,435	02
Grand Total of Liabilities	\$	38,450,379	20

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> —on office premises		\$	10,724	93
2. Interest and Dividends earned on:				
(a) Mortgages and agreements for sale	\$	3,800	58	
(b) Collateral loans		6,554	30	
(c) Bonds and debentures		28,311	36	
(d) Dividends on stocks		14,000	69	
(e) Bank deposits		211	72	
(f) Interest on advances, trusts and estates		827	57	
			53,706	22
3. Profit on sale of securities			95,511	57
4. Profit in guaranteed funds			89,958	81
5. Agency fees and commissions earned			701,234	00
6. All other revenue for the year			1,175	82
Total		\$	952,311	35

## CHARTERED TRUST AND EXECUTOR COMPANY—Continued

## Expenditure

7. Interest incurred	\$	117	48
8. Loss on sale of securities		17,649	44
9. Amount by which ledger values of assets were written down		15,259	07
10. License fees and taxes other than taxes on real estate:			
(a) Dominion	\$	77,203	09
(b) Provincial		895	27
(c) Municipal		6,280	60
			84,378 96
11. Commissions on loans and on sale of real estate		91,637	61
12. Amount transferred to Investment Reserves		78,354	02
13. All other expenses incurred:			
(a) Salaries	\$	415,695	04
(b) Directors' and Advisory Committee fees		6,066	40
(c) Auditors' fees		5,000	00
(d) Legal fees		726	00
(e) Rents		38,472	03
(f) Travelling expenses		3,784	84
(g) Printing and stationery		13,346	99
(h) Advertising		18,089	24
(i) Postage, telegrams, telephones and express		9,390	39
(j) Miscellaneous		52,419	50
			562,990 43
14. Net profit transferred to Profit and Loss Account		101,924	34
Total	\$	952,311	35

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	129,167	44
2. Amount transferred from Revenue Account		101,924	34
3. Amount transferred from General Investment Reserve		164,000	00
Total	\$	395,091	78
4. Dividends to shareholders declared during year	\$	50,000	00
5. Amount transferred to Rest Account		250,000	00
6. Balance of account at 31st December, 1946		95,091	78
Total	\$	395,091	78

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation, \$300,000.00.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - January 24th, 1946; (b) April 1st, 1946; (c)  $1\frac{1}{4}\%$ .
  - May 16th, 1946; (b) July 2nd, 1946; (c)  $1\frac{1}{4}\%$ .
  - June 20th, 1946; (b) October 1st, 1946; (c)  $1\frac{1}{4}\%$ .
  - October 17th, 1946; (b) January 2nd, 1947; (c)  $1\frac{1}{4}\%$ .
- Date appointed for the Annual Meeting—February 18th, 1947.  
Date of last Annual Meeting—February 21st, 1946.
- Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department \$ 1,119,383 48

## CONSTATING INSTRUMENTS

The Company was incorporated by Act of Parliament of Canada, Chap. 162, 4-5 Edward VII, assented to 20th July, 1905, under the name of The Title and Trust Company with powers to carry on a general Trust Company business and also title insurance.

By Act of the Legislature of the Province of Ontario, Chap. 118, 7 Edward VII, 1907, assented to April 20, 1907, the Company was empowered to register under the Ontario Insurance Act and under the Loan Corporations Act of the Province.

April 18th, 1914, Amendment to Charter and by further Act of the Parliament of Canada, Chap. 70, 5 George V, assented to April 8th, 1915, the name of the Company was changed from The Title and Trust Company to Chartered Trust and Executor Company, the business of title insurance having been discontinued.

## CHARTERED TRUST AND EXECUTOR COMPANY—Continued

By further Act of the Parliament of Canada, Chap. 98, 9-10 George V, assented to July 7th, 1919, the Company was empowered to acquire the business of any other Company and to sell and dispose of its own business. (The last mentioned Act was preliminary to the acquisition of Guardian Trust Company, Limited.)

By Act of the Parliament of Canada, Chap. 75, 19-20 George V, assented to May 1st, 1929, the capital stock of the Company was increased to \$2,500,000.00.

By Act of the Legislature of the Province of Quebec, 25-26, George V, Chapter 150, the Company acquired the business of Quebec Savings and Trust Company on March 23rd, 1936.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of Interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:					
Ontario.....(a)					
Ontario.....(b)	78,889 25		658 66	79,547 91	
Guaranteed Funds:					
Ontario.....(a)	28,033 34		521 06	28,554 40	
Ontario.....(b)	616,979 17	32 15	6,488 08	623,499 40	
Total.....(a)	28,033 34		521 06	28,554 40	
Total.....(b)	695,868 42	32 15	7,146 74	703,047 31	
Grand Total.....	723,901 76	32 15	7,667 80	731,601 71	

**\*CROWN TRUST AND GUARANTEE COMPANY****Head Office: Toronto, Ontario.****OFFICERS**

President—ARTHUR F. WHITE  
 Vice-Presidents—HON. DR. H. A. BRUCE, C. S. HAMILTON, H. A. HOWARD,  
 IRVING P. REXFORD, J. A. McDUGALD, R. W. STEELE  
 General Managers—C. S. HAMILTON, H. A. HOWARD, IRVING P. REXFORD  
 Secretary—J. E. ROBINSON

**DIRECTORS**

C. S. HAMILTON	W. RALPH SALTER, K.C.
A. F. WHITE	R. C. BERKINSHAW
H. A. HOWARD	STUART PLAYFAIR
COL. THE HON. H. A. BRUCE,	IRVING P. REXFORD
M.D., F.R.C.S. (ENG.)	R. W. STEELE
THE HON. G. P. CAMPBELL, K.C.	LIEUT.-COL. GERALD W. BIRKS
E. GORDON WILLS	F. WILSON FAIRMAN
COL. E. S. WIGLE, K.C.	W. A. EDEN
MAJOR E. SWEET, K.C.	H. JASPER HUMPHREY
W. M. ARCHIBALD	J. A. MANN, K.C.
GORDON W. NICHOLSON	LIEUT.-COL. W. P. O'BRIEN
F. J. CRAWFORD	MAJOR-GENERAL JAS. G. ROSS, C.M.G.
THAYER LINDSLEY	ARNOLD WAINWRIGHT, K.C.
LIEUT.-COL. W. E. PHILLIPS	PERCY R. WALTERS
P. C. FINLAY, K.C.	ARTHUR B. WOOD
CHRISTIE CLARK	R. W. WARD
	J. A. McDUGALD

Auditors—H. PERCY EDWARDS, F.C.A., AND A. GEOFFREY EDWARDS, F.C.A.,  
 OF EDWARDS, MORGAN AND COMPANY

**CAPITAL**

Amount of Capital Stock authorized (15,000 shares of \$100.00 each)	\$ 1,500,000 00
Amount subscribed	1,267,500 00
Amount paid in cash	1,267,500 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets****Company Funds**

1. Office premises	\$ 421,437 30
2. Amount secured by mortgages on real estate including:	
First mortgages	\$ 148,505 20
Second and subsequent mortgages	4,100 00
Agreements for sale	15,940 23
Interest due	2,301 51
Interest accrued	2,429 26
	<hr/> 173,276 20

**(See Schedule B)**

3. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 44,710 81
Interest due	5 00
	<hr/> 44,715 81
4. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 172,148 40
Interest accrued	1,000 00
	<hr/> \$ 173,148 40
(b) Canadian municipalities, school districts and rural telephone companies	6,124 09
(c) All other bonds	\$ 365,000 00
Interest accrued	83 33
	<hr/> 365,083 33
5. Book value of stocks	544,355 82
	<hr/> 514,314 87

\*Formerly The Trusts and Guarantee Company, Limited.



**CROWN TRUST AND GUARANTEE COMPANY—Continued**

6. Cash on hand	\$ 21,588 95
7. Cash on deposit with chartered banks in Canada	94,283 33
8. Advances to estates, trusts, etc., under administration	83,409 72
9. Accrued fees and charges for administering estates	10,551 32
10. All other assets	22,287 71

Total Company Funds \$ 1,930,221 03

**Guaranteed Funds**

11. Amount secured by mortgages on real estate including:	
First mortgages	\$ 4,517,183 62
Second and subsequent mortgages	212,500 00
Agreements for sale	863,793 00
Interest due	9,650 36
Interest accrued	41,199 03
	<u>\$ 5,644,326 01</u>

*(See Schedule B)*

12. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 757,604 65
Interest due	105 42
	<u>757,710 07</u>
13. Book value of bonds, debentures and debenture stocks	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 4,553,927 78
Interest accrued	24,018 62
	<u>\$ 4,577,946 40</u>
(b) Provincial and Provincial Guaranteed	\$ 846,395 00
Interest accrued	7,866 88
	<u>854,261 88</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 373,341 24
Interest accrued	3,944 53
	<u>377,285 77</u>
	<u>5,809,494 05</u>
14. Book value of Stocks	390,709 04
15. Cash on hand	23,636 48
16. Cash on deposit with chartered banks in Canada	281,892 11

Total Guaranteed Funds \$12,907,767 76

**Estates, Trusts and Agency Funds**

17. Unrealized assets	\$48,336,209 15
18. Investments	23,412,928 26
19. Cash on hand and in banks	4,396,932 96
	<u>\$76,146,070 37</u>

**Summary of Assets**

Company Funds	\$ 1,930,221 03
Guaranteed Funds	12,907,767 76
Estates, Trusts and Agency Funds	76,146,070 37
Grand Total of Assets	<u>\$90,984,059 16</u>

**Liabilities****Company Funds***To the Public:*

1. Taxes other than taxes on real estate	\$ 57,714 46
2. Dividends to shareholders declared and unpaid	25,334 00
3. All other liabilities	38,543 91
Total	<u>\$ 121,592 37</u>



## CROWN TRUST AND GUARANTEE COMPANY—Continued

*To the Shareholders:*

4. Paid-in Capital .....	\$ 1,267,500 00
5. Reserve Fund .....	500,000 00
6. Balance of Profit and Loss Account .....	41,128 66
Total .....	<u>\$ 1,808,628 66</u>
Total Company Funds .....	<u>\$ 1,930,221 03</u>

*Guaranteed Funds*

7. Trust deposits .....	\$ 7,236,676 22
8. Specific Guaranteed Funds .....	\$ 1,608,560 79
Interest due and accrued .....	1,665 08
9. General Guaranteed Funds .....	\$ 4,060,090 23
Interest due and accrued .....	775 44
Total Guaranteed Funds .....	<u>4,060,865 67</u>
	<u>\$12,907,767 76</u>

*Estates, Trusts and Agency Funds*

10. Estates .....	\$52,870,036 75
11. Trusts and Agencies .....	23,192,623 90
12. Due to Company Funds .....	83,409 72
	<u>\$76,146,070 37</u>

*Summary of Liabilities*

Company Funds .....	\$ 1,930,221 03
Guaranteed Funds .....	12,907,767 76
Estates, Trusts and Agency Funds .....	76,146,070 37
Grand Total of Liabilities .....	<u>\$90,984,059 16</u>

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$ 26,952 94	
(b) Collateral loans .....	2,808 11	
(c) Bonds and debentures .....	24,564 00	
(d) Dividends on stocks .....	18,637 75	
(e) Other interest earned .....	3,784 90	
		<u>\$ 76,747 70</u>
2. Profit in guaranteed funds .....		191,332 16
3. Agency fees and commissions earned .....		530,840 26
4. All other revenue for the year .....		14,384 90
Total .....		<u>\$ 813,305 02</u>

*Expenditure*

5. Loss on sale of securities and real estate owned .....		\$	14,269	32
6. License fees and taxes other than taxes on real estate:				
(a) Dominion .....	\$	25,000	00	
(b) Provincial .....		1,086	13	
(c) Municipal .....		6,596	23	
				<u>32,682 36</u>
7. All other expenses incurred:				
(a) Salaries .....	\$	402,659	92	
(b) Directors' and Advisory Committee fees .....		14,428	31	
(c) Auditors' fees .....		8,449	01	
(d) Legal fees .....		8,480	95	
(e) Rents .....		63,563	50	

**CROWN TRUST AND GUARANTEE COMPANY—Continued**

(f) Travelling expenses	9,060	07
(g) Printing and stationery	21,197	68
(h) Advertising	14,410	57
(i) Postage, telegrams, telephones and express	9,828	57
(j) Maintenance of Office Premises	10,234	85
(k) Miscellaneous	85,285	77
		<hr/>
8. Net profit transferred to Profit and Loss Account		647,599 20
		118,754 14
Total		<hr/> <u>\$ 813,305 02</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$	73,040 52
2. Amount transferred from Revenue Account		118,754 14
Total	\$	<hr/> 191,794 66
3. Dividends to shareholders declared during year	\$	50,666 00
4. Amount transferred to Reserve Fund		100,000 00
5. Balance of account at 31st December, 1946		41,128 66
Total	\$	<hr/> <u>191,794 66</u>

**MISCELLANEOUS**

1. Fidelity Bonds on officers of the Corporation, \$714,500.		
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:		
(a) June 6th, 1946; (b) July 2nd, 1946; (c) 2%.		
(a) November 29th, 1946; (b) January 2nd, 1947; (c) 2%.		
3. Date appointed for the Annual Meeting—Between January 15th and March 1st, as Directors may determine.		
Date of last Annual Meeting—February 14th, 1947.		
4. Special General Meeting held during year—February 25th, 1946.		
5. In the case of any Company whose Stocks, Bonds or Debentures are held by the Corporation either directly or indirectly, if such Company is otherwise indebted to the Corporation upon loans either secured by mortgages or other security, or unsecured, state the aggregate amount of such loans	\$	340,928 69
The aggregate amount of instalments of principal in arrears		128,428 69
The amount of interest due and unpaid, whether capitalized or not		332,878 28
The amount of interest on such loans taken credit for in the Revenue Account for the year		6,502 50
The aggregate amount of any prior charges or mortgages on lands, properties or assets securing such mortgages or other securities		110,500 00
6. Amount of contingent liability not shown as direct debts in the foregoing statement		130,500 00
Bonds of The Trusts Buildings Limited (all the Stock of which is owned by the Trust Company) and a prior first mortgage.		
7. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department	\$	755,361 01
8. Advances made to estates, trusts and agencies, during the year from which fees were paid to the Company		5,706 09
9. Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid		33,950 78

**CONSTATING INSTRUMENTS**

Incorporated on the 24th February, 1897, by Letters Patent of Ontario, issued under R.S.O. 1897, c. 191. See Ontario Trust Company Act (R.S.O. 1897, c. 206), and The Loan and Trust Corporations Act (R.S.O. 1937, c. 257).

Amendments to Charter: December 23rd, 1897, "The Ontario Companies Act"; February 25th, 1898; "The Ontario Joint Stock Companies Letters Patent Act" and "The Trust Companies Act, 1895"; August 14th, 1900, "The Ontario Companies Act"; March 28th, 1907, "The Ontario Companies Act."

## CROWN TRUST AND GUARANTEE COMPANY—Continued

By Order-in-Council, dated January 25th, 1934, the Lieutenant-Governor in Council formally approved an agreement dated December 7th, 1933, whereby Trusts and Guarantee Company, Limited, acquired the assets and assumed the liabilities of Union Trust Company, Limited.

By Order-in-Council, dated October 30th, 1940, the Lieutenant-Governor in Council formally approved decreasing the capital stock from Three Million Dollars (\$3,000,000) to One Million Five Hundred Thousand Dollars (\$1,500,000).

May 14th, 1946—Statutes of Ontario, Bill 146—An Act changing the name of The Trusts and Guarantee Company, Limited to Crown Trust and Guarantee Company.

May 21st, 1946—An Order of the Lieutenant-Governor of the Province of Ontario in Council assenting to an agreement for the purchase by The Trusts and Guarantee Company, Limited, of Crown Trust Company.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds:</b>						
Ontario.....(b)	138,260 11	382 32	cr. 1,365 16	143 78	137,421 05	
Ontario.....(a)						
Manitoba.....(b)	74,895 14	23 60	11 69	480 64	75,411 07	
Manitoba.....(a)	29,557 82	48 52	633 26	310 07	30,549 67	
Saskatchewan.....(b)						
Saskatchewan.....(a)	71,916 36	45 80	2,283 62	844 07	75,089 85	436 66
Alberta.....(b)	2,967 08		37 65		3,004 73	
Alberta.....(a)	64,013 09	27.01	700 45	650 70	65,391 25	2,636 70
Total.....(b)	216,122 33	405 92	cr. 1,315 82	624 42	215,836 85	
Total.....(a)	165,487 27	121 33	3,617 33	1,804 84	171,030 77	3,073 36
<b>Guaranteed Funds</b>						
Ontario.....(b)	4,550,545 71	4,153 68	2,532 64	33,434 65	4,590,666 68	3,321 35
Ontario.....(a)	39,409 80	6 00	cr. 6,903 22	788 10	33,300 68	
Manitoba.....(b)	180,621 19	227 76	545 39	1,859 13	183,253 47	
Manitoba.....(a)	51,220 80	17 60	659 86	94 48	51,992 74	859 70
Saskatchewan.....(b)						
Saskatchewan.....(a)	24,116 26	220 63	1,120 90	117 03	25,574 82	4,309 15
Alberta.....(b)	79,028 47	62 16	935 50	74 15	80,100 28	
Alberta.....(a)	97,424 60	3,597 47	1,010 45	303 20	102,335 72	5,007 32
British Columbia.....(b)						
British Columbia.....(a)	128,428 69		9,041 55		137,470 24	323,836 73
Quebec.....(b)	434,395 80		707 29	4,528 29	439,631 38	
Quebec.....(a)						
Total.....(b)	5,244,591 17	4,443 60	4,720 82	39,896 22	5,293,651 81	3,321 35
Total.....(a)	340,600 15	3,841 70	4,929 54	1,302 81	350,674 20	334,012 90
<b>Grand Total.....(b)</b>	<b>5,460,713 50</b>	<b>4,849 52</b>	<b>3,405 00</b>	<b>40,520 64</b>	<b>5,509,488 66</b>	<b>3,321 35</b>
<b>Grand Total.....(a)</b>	<b>506,087 42</b>	<b>3,963 03</b>	<b>8,546 87</b>	<b>3,107 65</b>	<b>521,704 97</b>	<b>337,086 26</b>
	5,966,800 92	8,812 55	11,951 87	43,628 29	6,031,193 63	340,407 61

# THE EASTERN TRUST COMPANY

Head Office, Halifax, Nova Scotia

## OFFICERS

President—HON. F. B. McCURDY, P.C.      Manager and Secretary—F. H. M. JONES  
 Vice-Presidents—A. J. CAMPBELL, K.C.  
    F. P. STARR

## DIRECTORS

W. U. APPLETON	JOHN MACNEIL, K.C.
R. G. BEAZLEY	WM. T. POWERS
ALBERT S. FRASER	HON. J. L. RALSTON, P.C., K.C.
J. W. GODFREY, K.C.	HON. W. D. ROSS
HENRY J. HAGUE, K.C.	H. R. SILVER
C. H. B. LONGWORTH	D. C. SINCLAIR, K.C.
D. H. McDUGALL	C. B. SMITH, K.C.
J. C. MACKEEN	C. W. STAIRS
HON. F. MCNAMARA	J. H. WINFIELD
	HUGH MACKAY

Auditors—JOHNSTON, SMITH & COMPANY, Halifax, N.S.

## CAPITAL

Amount of Capital Stock authorized (10,000 shares of \$100.00 each)	\$ 1,000,000 00
Amount subscribed	1,000,000 00
Amount paid in cash	1,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises		\$ 70,000 00
2. Book value of real estate held for sale		1 00
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 534,099 63	
Interest accrued	3,423 88	
		537,523 51

#### (See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:		
Principal		43,766 08
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 345,969 44	
Interest accrued	1,117 70	
	\$ 347,087 14	
(b) Provincial and Provincial Guaranteed	\$ 68,000 00	
Interest accrued	894 81	
		68,894 81
(c) Canadian municipalities, school districts and rural telephone companies	\$ 135,755 25	
Interest accrued	2,354 46	
		138,109 71
(d) All other bonds	\$ 154,992 67	
Interest accrued	895 57	
		155,888 24
6. Book value of stocks		709,979 90
7. Cash on deposit with chartered banks in Canada, \$50,828.03; elsewhere, \$10,883.50		133,358 00
8. Advances to estates, trusts, etc., under administration		61,711 53
9. All other assets		153,472 31
		8,520 74
Total Company Funds		\$ 1,718,333 07



## THE EASTERN TRUST COMPANY—Continued

*Guaranteed Funds*

10. Amount secured by mortgages on real estate including:		
First mortgages	\$ 2,259,258	26
Interest due	22	50
Interest accrued	6,861	60
		<u>\$ 2,266,142 36</u>
<i>(See Schedule B)</i>		
11. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 1,020,878	06
Interest due	54	00
		<u>1,020,932 06</u>
12. Book value of bonds, debentures and debenture stocks:		
(a) Government and Government Guaranteed:		
Dominion and United Kingdom	\$ 3,179,529	78
Interest accrued	4,528	00
		<u>\$ 3,184,057 78</u>
(b) Provincial and Provincial Guaranteed	\$ 941,345	75
Interest accrued	1,593	47
		<u>942,939 22</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 1,457,884	00
Interest accrued	10,914	81
		<u>1,468,798 81</u>
(d) All other bonds	\$ 1,669,534	00
Interest accrued	4,949	14
		<u>1,674,483 14</u>
13. Cash on deposit with chartered banks in Canada		<u>7,270,278 95</u>
		<u>99,636 43</u>
Total Guaranteed Funds		<u>\$10,656,989 80</u>

*Estates, Trusts and Agency Funds*

14. Unrealized assets	\$ 4,551,536	31
15. Investments	69,690,190	92
16. Cash on hand and in banks	1,357,620	35
		<u>\$75,599,347 58</u>

*Summary of Assets*

Company Funds	\$ 1,718,333	07
Guaranteed Funds	10,656,989	80
Estates, Trusts and Agency Funds	75,599,347	58
Grand Total of Assets		<u>\$87,974,670 45</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 88,695	76
2. Dividends to shareholders declared and unpaid	20,000	00
3. Investment reserves	71,989	97
Total		<u>\$ 180,685 73</u>

*To the Shareholders:*

4. Paid-in Capital	\$ 1,000,000	00
5. Reserve Fund	500,000	00
6. Balance of Profit and Loss Account	37,647	34
Total		<u>\$ 1,537,647 34</u>
Total Company Funds		<u>\$ 1,718,333 07</u>



## THE EASTERN TRUST COMPANY—Continued

*Guaranteed Funds*

7. Specific Guaranteed Funds	\$ 2,327,428 56
8. General Guaranteed Funds	8,329,561 24
Total Guaranteed Funds	<u>\$10,656,989 80</u>

*Estates, Trusts and Agency Funds*

9. Estates, Trusts and Agencies	\$75,445,875 27
10. Due to Company Funds	153,472 31
	<u>\$75,599,347 58</u>

*Summary of Liabilities*

Company Funds	\$ 1,718,333 07
Guaranteed Funds	10,656,989 80
Estates, Trusts and Agency Funds	75,599,347 58
Grand Total of Liabilities	<u>\$87,974,670 45</u>

## REVENUE ACCOUNT

*Income*

1. Rents earned	\$ 774 92
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale	\$ 28,759 02
(b) Collateral loans	4,033 95
(c) Bonds and debentures	35,016 87
(d) Dividends on stocks	6,450 19
(e) Other interest earned	2,476 81
	<u>76,736 84</u>
3. Profit on sale of securities and real estate	8,255 32
4. Profit in guaranteed funds	123,323 19
5. Agency fees and commissions earned	342,745 25
6. All other revenue for the year	5,640 10
Total	<u>\$ 557,475 62</u>

*Expenditure*

7. Amount by which ledger values of assets were written down	\$ 28,365 33
8. License fees and taxes other than taxes on real estate:	
(a) Dominion	\$ 60,000 00
(b) Provincial	938 19
(c) Municipal	4,292 90
(d) Government of Newfoundland	14,208 78
	<u>79,439 87</u>
9. All other expenses incurred:	
(a) Salaries	\$ 226,672 40
(b) Directors' and Advisory Committee fees	11,650 00
(c) Auditors' fees	6,397 93
(d) Rents	28,838 55
(e) Travelling expenses	8,340 38
(f) Printing and stationery	7,689 71
(g) Advertising	13,707 88
(h) Postage, telegrams, telephones and express	8,112 43
(i) Miscellaneous	44,435 04
	<u>355,844 32</u>
10. Transferred to Staff Pension Fund	5,000 00
11. Net profit transferred to Profit and Loss Account	88,826 10
Total	<u>\$ 557,475 62</u>

## THE EASTERN TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 28,821 24
2. Amount transferred from Revenue Account	88,826 10
3. Transferred from Investment Reserves	100,000 00
Total	\$ 217,647 34
4. Dividends to shareholders declared during year	\$ 80,000 00
5. Amount transferred to Reserve Fund	\$ 100,000 00
6. Balance of account at 31st December, 1946	37,647 34
Total	\$ 217,647 34

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation, \$200,000.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - December 6th, 1945; (b) January 2nd, 1946; (c) 2%.
  - March 7th, 1946; (b) April 1st, 1946; (c) 2%.
  - June 6th, 1946; (b) July 2nd, 1946; (c) 2%.
  - September 5th, 1946; (b) October 1st, 1946; (c) 2%.
- Date appointed for the Annual Meeting—February 13th, 1947.  
Date of last Annual Meeting—February 14th, 1946.

## CONSTATING INSTRUMENTS

Incorporated in 1893 by Act of the Parliament of Canada, 56 Vic., C. 84. Amendments in 1899, 62-63 Vic., c. 110, and in 1908, 7-8 Edw. VII, c. 103. Commenced business in 1893. Granted registry in Ontario, 1st November, 1936.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province	Principal out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of Interest due and not charged
(a) Farm (b) Urban					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:					
Nova Scotia.....(b)	381,789 30		2,219 31	384,008 61	
Nova Scotia.....(a)	6,700 00		156 13	6,856 13	
New Brunswick.....(b)	87,251 99		447 86	87,699 85	
Prince Edward Island.....(b)	38,700 00		372 35	39,072 35	
Prince Edward Island.....(a)	6,133 34		28 09	6,161 43	
Quebec.....(b)	13,525 00		200 14	13,725 14	
Total.....	534,099 63		3,423 88	537,523 51	
Guaranteed Funds:					
Nova Scotia.....(b)	1,314,392 48		3,210 79	1,317,603 27	
Nova Scotia.....(a)	130,947 36		407 60	131,354 96	
New Brunswick.....(b)	309,324 28		1,885 25	311,209 53	
Prince Edward Island.....(b)	43,725 00		112 88	43,837 88	
Prince Edward Island.....(a)	15,247 87		30 81	15,278 68	
Quebec.....(b)	180,234 35		192 38	180,426 73	
Ontario.....(b)	48,493 25			48,493 25	
Newfoundland.....(b)	216,893 67	22 50	1,021 89	217,938 06	
Total.....	2,259,258 26	22 50	6,861 60	2,266,142 36	

# THE GREY AND BRUCE TRUST AND SAVINGS COMPANY

Head Office, Owen Sound, Ontario

## OFFICERS

President—W. S. MIDDLEBRO, K.C.  
Vice-Presidents—G. D. FLEMING  
O. E. MANNING

Manager—O. E. MANNING  
Secretary-Treasurer—W. M. TELFORD

## DIRECTORS

DR. A. L. DANARD  
DR. G. H. HOLMES  
G. D. McLAUCHLAN  
W. S. MIDDLEBRO  
O. E. MANNING  
DR. R. HOWEY

E. N. COOPER  
J. G. FRASER  
G. D. FLEMING  
W. L. BROWN  
W. B. LEMON  
DUNCAN F. McCUAIG

Auditors—C. L. VANWYCK, C.P.A., AND JAMES H. VANOVERBEEK, F.A.E.

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed	544,700 00
Amount paid in cash	544,700 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$ 35,368 29
2. Book value of real estate held for sale: Freehold land (including buildings)	39,009 10
3. Amount secured by mortgages on real estate including:	
First mortgages	\$ 133,152 60
Second and subsequent mortgages	1,119 55
Agreements for sale	50,047 14
Interest due	1,081 80
Interest accrued	1,989 75
	187,390 84
(See Schedule B)	
4. Amount of loans secured by stocks, bonds and other collateral: (There is included in the collateral \$10,000.00 of the Company's own stock upon which \$10,000.00 has been paid.)	
Principal	\$ 92,821 36
Interest accrued	478 18
	93,299 54
5. Book value of stocks	400,260 20
6. Cash on hand	14,765 72
7. Advances to estates, trusts, etc., under administration	4,917 51
8. All other assets	37,222 96
Total Company Funds	\$ 812,234 16

#### Guaranteed Funds

9. Amount secured by mortgages on real estate including:	
First mortgages	\$ 2,055,582 96
Agreements for sale	26,338 89
Interest due	1,895 55
Interest accrued	26,463 12
	\$ 2,110,280 52

#### (See Schedule B)

10. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 2,627,668 78
Interest accrued	21,131 53
	\$ 2,648,800 31

## THE GREY AND BRUCE TRUST AND SAVINGS COMPANY—Continued

(b) Provincial and Provincial Guaranteed		
Interest accrued	\$ 1,058,194 85	
	7,129 33	
		\$ 1,065,324 18
(c) Canadian municipalities, school districts and rural telephone companies	\$ 598,537 23	
Interest accrued	7,197 80	
		605,735 03
(d) All other bonds	\$ 840,281 63	
Interest accrued	8,934 08	
		849,215 71
11. Book value of Stocks		\$ 5,169,075 23
12. Cash on hand		442,531 25
13. Cash on deposit with chartered banks in Canada, \$320,221.72; elsewhere, \$91,083.71		110,430 70
		411,305 43
Total Guaranteed Funds		\$ 8,243,623 13

*Estates, Trusts and Agency Funds*

14. Unrealized assets	\$ 1,637,459 52	
15. Investments	527,995 12	
16. Cash on hand and in banks	411,999 11	
		\$ 2,577,453 75

*Summary of Assets*

Company Funds	\$ 812,234 16
Guaranteed Funds	8,243,623 13
Estates, Trusts and Agency Funds	2,577,453 75
Grand Total of Assets	<u>\$11,633,311 04</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 2,743 34
2. Investment reserves	133,332 32
Total	<u>\$ 136,075 66</u>

*To the Shareholders:*

3. Paid-in Capital	\$ 544,700 00
4. Reserve Fund	75,000 00
5. General Contingency Reserve	56,458 50
Total	<u>\$ 676,158 50</u>
Total Company Funds	<u>\$ 812,234 16</u>

*Guaranteed Funds*

6. Trust deposits	\$ 3,903,479 87
7. General Guaranteed Funds	\$ 4,305,029 18
Interest due and accrued	35,114 08
	<u>4,340,143 26</u>
Total Guaranteed Funds	<u>\$ 8,243,623 13</u>

## THE GREY AND BRUCE TRUST AND SAVINGS COMPANY—Continued

*Estates, Trusts and Agency Funds*

8. Estates	\$ 1,899,593 32
9. Trusts and Agencies	672,942 92
10. Due to Company Funds	4,917 51
	<u>\$ 2,577,453 75</u>

*Summary of Liabilities*

Company Funds	\$ 812,234 16
Guaranteed Funds	8,243,623 13
Estates, Trusts and Agency Funds	2,577,453 75
Grand Total of Liabilities	<u>\$11,633,311 04</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 12,319 93	
(b) Collateral loans	3,299 84	
(c) Bonds and debentures	3,785 19	
(d) Dividends on stocks	15,485 35	
	<u>\$</u>	34,890 31
2. Profit on sale of securities and real estate		8,057 36
3. Profit in guaranteed funds		100,216 63
4. Agency fees and commissions earned		19,310 15
5. All other revenue for the year		5,515 87
Total		<u>\$ 167,990 32</u>

## Expenditure

6. Interest incurred		\$ 613 96
7. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 14,000 00	
(b) Provincial	255 00	
(c) Municipal	504 40	
	<u></u>	14,759 40
8. Commissions on loans and on sale of real estate		5,723 90
9. Amount transferred to Investment Reserves		7,844 57
10. All other expenses incurred:		
(a) Salaries	\$ 45,208 45	
(b) Directors' and Advisory Committee fees	2,590 00	
(c) Auditors' fees	700 00	
(d) Legal fees	103 50	
(e) Rents	2,025 00	
(f) Travelling expenses	3,023 23	
(g) Printing and stationery	5,960 28	
(h) Advertising	8,147 12	
(i) Postage, telegrams, telephones and express	3,977 04	
(j) Commission on sale of G.I. Certificates	5,856 96	
(k) Maintenance of Office Premises	2,393 27	
(l) Miscellaneous	10,457 54	
	<u></u>	90,442 39
11. Net profit transferred to Profit and Loss Account		48,606 10

Total	<u>\$ 167,990 32</u>
-------	----------------------

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	Nil
2. Amount transferred from Revenue Account	\$ 48,606 10
Total	<u>\$ 48,606 10</u>
3. Dividends to shareholders declared during year	\$ 38,129 00
4. Amount transferred to General Contingency Reserve	10,477 10
Total	<u>\$ 48,606 10</u>



## THE GREY AND BRUCE TRUST AND SAVINGS COMPANY—Continued

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$20,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
 (a) June 3rd; (b) June 20th; (c) 3%.  
 (a) October 25th; (b) December 20th; (c) 4%.
3. Date appointed for the Annual Meeting—February 26th, 1947.  
 Date of last Annual Meeting—February 27th, 1946.
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department. \$ 476,364 13
5. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid 9,887 87

## CONSTATING INSTRUMENTS

The Grey and Bruce Trust and Savings Company, cited 16 Geo. V (1926), c. 123. This Act confirms the amalgamation of The Grey and Bruce Loan Company and The Owen Sound Loan and Savings Company, and constitutes the amalgamated corporation a new corporation under the name of The Grey and Bruce Trust and Savings Company, with Head Office in the City of Owen Sound, and empowers the new corporation to carry on the business of a trust company under The Loan and Trust Corporations Act.

The Grey and Bruce Loan Company was incorporated under The Buildings Societies Act, R.S.O. 1887, c. 169, as a permanent building society under the name of The Owen Sound, Grey, and Bruce Loan and Savings Company, by declaration filed with the Clerk of the Peace for the County of Grey, May 10th, 1889. The corporate name was by Order-in-Council of Ontario, September 15th, 1897, changed to The Grey and Bruce Loan Company.

The Owen Sound Loan and Savings Company was incorporated under The Buildings Societies Act, R.S.O. 1887, c. 169, by declaration filed with the Clerk of the Peace for the County of Grey on the 1st April, 1889.

The date of incorporation of The Grey and Bruce Trust and Savings Company being April 8th, 1926.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31st DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing		Charges out- standing		Interest due and unpaid		Interest accrued		Totals		Amount of interest due and not charged	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
Company Funds:												
Ontario.....(a)	65,222	88	14	56	600	78	723	65	66,561	87	385	15
Ontario.....(b)	95,306	41	130	52	481	02	1,019	82	96,937	77	604	42
Guaranteed Funds:												
Ontario.....(a)	225,838	11	54	25	925	51	4,961	02	231,778	89		
Ontario.....(b)	1,879,672	41	2	00	970	04	21,748	38	1,902,392	83		
Total.....(a)	291,060	99	68	81	1,526	29	5,684	67	298,340	76	385	15
Total.....(b)	1,974,978	82	132	52	1,451	06	22,768	20	1,999,330	60	604	42
Grand Total.....	2,266,039	81	201	33	2,977	35	28,452	87	2,297,671	36	989	57

# **GUARANTY TRUST COMPANY OF CANADA**

**Head Office, Windsor, Ontario**

## **OFFICERS**

President—J. WILSON BERRY  
 Vice-Presidents—ROBERT MAISEY  
                   E. M. PROCTOR  
                   F. H. LESLIE  
                   J. M. HAYES .

General Manager—J. WILSON BERRY  
 Secretary—JOHN A. THOMPSON  
 Treasurer—EDWARD T. BERRY

## **DIRECTORS**

J. WILSON BERRY  
 VERNON G. CARDY  
 LOUIS BLAKE DUFF  
 W. H. FURLONG, K.C.  
 J. M. HAYES  
 E. C. KENNING, K.C.  
 L. A. LANDRIAU, K.C.

F. H. LESLIE  
 ROBERT MAISEY  
 J. R. MORRIS, K.C.  
 E. M. PROCTOR  
 G. G. ROBINSON  
 GEORGE B. SNYDER, M.D.  
 W. F. SPRY

E. BLAKE WINTER

Auditors—BROKENSHIRE, SCARFF & COMPANY

## **CAPITAL**

Amount of Capital Stock authorized (5,000 shares of \$100.00 each)	\$	500,000 00
Amount subscribed		500,000 00
Amount paid in cash		500,000 00

## **BALANCE SHEET AS AT 31st DECEMBER, 1946**

### **Assets**

#### *Company Funds*

1. Office premises		\$	26,219 18
2. Book value of real estate held for sale:			
Freehold land (including buildings)			1 00
3. Amount of loans secured by stocks, bonds and other collateral:			
Principal	\$	133,415 00	
Interest accrued		61 51	
			133,476 51
4. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom	\$	50,000 00	
Interest accrued		398 63	
			\$ 50,398 63
(b) Provincial and Provincial Guaranteed	\$	24,625 00	
Interest accrued		30 14	
			24,655 14
(c) Canadian municipalities, school districts and rural telephone companies	\$	374,963 84	
Interest accrued		3,070 10	
			378,033 94
(d) All other bonds	\$	246,125 00	
Interest accrued		2,665 49	
			248,790 49
			701,878 20
5. Cash on hand			53,070 69
6. Cash on deposit with chartered banks in Canada			8,501 12
7. Advances to estates, trusts, etc., under administration			2,500 00
8. Accrued fees and charges for administering estates			4,333 75
9. All other assets			13,102 88

Total Company Funds \$ 943,083 33

## GUARANTY TRUST COMPANY OF CANADA—Continued

*Guaranteed Funds*

10. Amount secured by mortgages on real estate including:			
First mortgages	\$	761,574	81
Agreements for sale		62,812	63
Interest due		643	59
Interest accrued		3,703	15
			<u>\$ 828,734 18</u>
<i>(See Schedule B)</i>			
11. Amount of loans secured by stocks, bonds and other collateral:			
Principal	\$	448,764	97
Interest accrued		457	48
			<u>449,222 45</u>
12. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom	\$	1,812,011	75
Interest accrued		17,658	62
			<u>\$ 1,829,670 37</u>
(b) Provincial and Provincial Guaranteed	\$	658,861	50
Interest accrued		5,725	98
			<u>664,587 48</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$	1,313,256	68
Interest accrued		10,116	53
			<u>1,323,373 21</u>
(d) All other bonds	\$	35,000	00
Interest accrued		478	35
			<u>35,478 35</u>
13. Cash on hand			<u>3,853,109 41</u>
14. Cash on deposit with chartered banks in Canada			<u>46,546 41</u>
			<u>505,429 83</u>
Total Guaranteed Funds			<u>\$ 5,683,042 28</u>

*Estates, Trusts and Agency Funds*

15. Unrealized assets	\$19,833,133	04
16. Investments	844,186	56
17. Cash on hand and in banks	1,000,210	97
		<u>\$21,677,530 57</u>

*Summary of Assets*

Company Funds	\$	943,083	33
Guaranteed Funds		5,683,042	28
Estates, Trusts and Agency Funds		21,677,530	57
Grand Total of Assets			<u>\$28,303,656 18</u>

*Liabilities**Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$	9,962	02
2. Dividends to shareholders declared and unpaid		6,250	00
Total	\$	16,212	02

*To the Shareholders:*

3. Paid-in Capital	\$	500,000	00
4. Reserve Fund		400,000	00
5. General Contingency Reserve		10,389	30
6. Balance of Profit and Loss Account		16,482	01
Total	\$	926,871	31
Total Company Funds	\$	943,083	33

## GUARANTY TRUST COMPANY OF CANADA—Continued

*Guaranteed Funds*

7. Trust deposits		\$ 3,705,570 16
8. General Guaranteed Funds	\$ 1,959,431 54	
Interest due and accrued	18,040 58	
		<u>1,977,472 12</u>
Total Guaranteed Funds		<u>\$ 5,683,042 28</u>

*Estates, Trusts and Agency Funds*

9. Estates	\$ 5,405,611 93	
10. Trusts and Agencies	16,269,418 64	
11. Due to Company Funds	2,500 00	
		<u>\$21,677,530 57</u>

*Summary of Liabilities*

Company Funds	\$ 943,083 33
Guaranteed Funds	5,683,042 28
Estates, Trusts and Agency Funds	21,677,530 57
	<u>\$28,303,656 18</u>

## REVENUE ACCOUNT

*Income*

1. Rents earned		\$ 3,009 78
2. Interest and Dividends earned on:		
(a) Collateral loans	\$ 2,072 02	
(b) Bonds and debentures	34,025 34	
		<u>36,097 36</u>
3. Profit on sale of securities		40,682 38
4. Profit in guaranteed funds		66,540 40
5. Agency fees and commissions earned		99,017 44
6. All other revenue for the year—U.S. Exchange		10 50
Safety Deposit Box Rentals		9,704 45
		<u>\$ 255,062 31</u>

*Expenditure*

7. Interest incurred		\$ 1,046 63
8. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 18,748 43	
(b) Provincial	688 73	
(c) Municipal	2,162 93	
		<u>21,600 09</u>
9. Commissions on loans		828 75
10. Amount transferred to Investment Reserves		2,363 87
11. All other expenses incurred:		
(a) Salaries	\$ 99,516 72	
(b) Directors' and Advisory Committee fees	1,680 00	
(c) Auditors' fees	1,700 00	
(d) Legal fees	1,741 55	
(e) Rents	13,974 96	
(f) Travelling expenses	4,104 64	
(g) Printing and stationery	5,604 47	
(h) Advertising	10,146 88	
(i) Postage, telegrams, telephones and express	3,881 55	
(j) Commission on sale of G.I. Certificates	2,869 70	
(k) Miscellaneous	12,150 40	
		<u>157,370 87</u>
12. Net profit transferred to Profit and Loss Account		71,852 10
Total		<u>\$ 255,062 31</u>



## GUARANTY TRUST COMPANY OF CANADA—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	11,607 57
2. Amount transferred from Revenue Account		71,852 10
3. Capital Appreciation on Assets purchased		15,617 50
4. Amount transferred from General Contingency Reserve		23,700 12
Total	\$	122,777 29
5. Dividends to shareholders declared during year	\$	23,530 00
6. Amount transferred to Reserve Fund		80,000 00
7. Contributions to Staff Pension Fund and Group Insurance		2,765 28
8. Balance of account at 31st December, 1946		16,482 01
Total	\$	122,777 29

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation, \$25,000.
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - March 23rd, 1946; (b) April 15th, 1946; (c) 1¼%.
  - May 18th, 1946; (b) July 15th, 1946; (c) 1¼%.
  - September 21st, 1946; (b) October 15th, 1946; (c) 1¼%.
  - November 23rd, 1946; (b) January 15th, 1947; (c) 1¼%.
- Date appointed for the Annual Meeting—Fourth Thursday in January of each year. Date of last Annual Meeting—January 23rd, 1947.
- Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department \$ 313,367 58

## CONSTATING INSTRUMENTS

Incorporated on the 12th June, 1925, by Special Act of Parliament of Dominion of Canada; registered as a Trust Company in Ontario, 13th day of May, 1926.

*Fidelity Trusts Company of Ontario.* By Order-in-Council dated November 29th, 1940, the Lieutenant-Governor-in-Council formally approved an agreement dated October 8th, 1940, by which "Guaranty Trust Company of Canada" purchased certain assets and assumed the liabilities of the "Fidelity Trusts Company of Ontario". The "Fidelity Trusts Company of Ontario" ceased registry June 30th, 1941.

*Niagara Falls Loan and Savings Company, Guaranty Trust Company of Canada.* An agreement between these companies dated 20th day of December, 1943, ratified by shareholders of both companies on the 29th and 30th days of December, 1943, respectively, whereby the assets and liabilities of the loan corporation were taken over and assumed by the trust company as of the 13th day of January, 1944, was approved by an order-in-council dated the 13th day of January, 1944.

## SCHEDULE B

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Guaranteed Funds:					
Ontario.....(b)	826,000 45	cr. 1,613 01	643 59	3,703 15	828,734 18
Total .....	826,000 45	cr. 1,613 01	643 59	3,703 15	828,734 18



## THE GUELPH TRUST COMPANY

**Head Office, Guelph, Ontario**

## OFFICERS

President—J. R. HOWITT, K.C.                      Manager and  
First Vice-President—J. M. PURCELL              Secretary-Treasurer—H. L. BENALLICK  
Second Vice-President—G. ALEX FORBES

## DIRECTORS

J. R. HOWITT, K.C.	JOHN ARMSTRONG
J. M. PURCELL	DR. H. O. HOWITT
G. ALEX FORBES	R. FORBES AULD
JOHN R. PHIN	W. P. GAMBLE

Auditors—J. F. SCULLY, C.A., AND N. J. WHITE, C.A.

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed	391,500 00
Amount paid in cash:	
On \$258,000 stock fully called	\$ 258,000 00
On \$133,500 stock 33⅓% called	44,500 49
	<u>302,500 49</u>

### BALANCE SHEET AS AT 31st DECEMBER, 1946

## Assets

## Company Funds

1. Amount secured by mortgages on real estate including:		
First mortgages	\$	156,641 90
Interest due		41
Interest accrued		3,097 49
		<u>\$ 159,739 80</u>

(See Schedule B)

2. Book value of bonds and debentures:			
(a) Dominion Government	\$	377,256 23	
Interest accrued		2,679 39	
		<hr/>	
	\$		379,935 62
(b) Provincial	\$	9,916 80	
Interest accrued		41 92	
		<hr/>	
			9,958 72
		<hr/>	
			389,894 34
3. Cash on hand			6,289 59
4. Cash on deposit with chartered banks in Canada			28,209 93
5. Owing from guaranteed funds			3,677 55
6. Advances to estates, trusts, etc., under administration			5,000 00
		<hr/>	
Total Company Funds	\$		592,811 21

### Guaranteed Funds

7. Amount secured by mortgages on real estate including:			
First mortgages		\$ 236,486	94
Interest due		154	92
Interest accrued		2,502	20
		<u>\$</u>	<u>239,144 06</u>

(See Schedule B)

8. Book value of bonds and debentures:			
(a) Dominion Government	.....	\$ 284,530 15	
Interest accrued	.....	1,954 79	
		<u>          </u>	\$ 286,484 94

## THE GUELPH TRUST COMPANY—Continued

(b) Provincial .....	\$ 4,958 40	
Interest accrued .....	20 96	
	<u>\$</u>	4,979 36
9. Cash on hand .....		\$ 291,464 30
10. Cash on deposit with chartered banks in Canada .....		5,585 89
		<u>22,972 35</u>
Total Guaranteed Funds .....		<u>\$ 559,166 60</u>

*Estates, Trusts and Agency Funds*

11. Unrealized assets .....	\$ 2,440,377 92	
12. Investments .....	3,943,311 09	
13. Cash on hand and in banks .....	610,826 65	
	<u>\$</u>	6,994,515 66

*Summary of Assets*

Company Funds .....	\$ 592,811 21	
Guaranteed Funds .....	559,166 60	
Estates, Trusts and Agency Funds .....	6,994,515 66	
	<u>\$</u>	8,146,493 47

**Liabilities***Company Funds*

<i>To the Public:</i>		
1. Reserve Government Taxes .....	\$ 16,518 31	
2. Dividends to shareholders declared and unpaid .....	7,562 52	
Total .....	<u>\$</u>	24,080 83

*To the Shareholders:*

3. Paid-in Capital .....	\$ 302,500 49	
4. Reserve Fund .....	200,000 00	
5. Balance at credit of Profit and Loss Account .....	66,229 89	
Total .....	<u>\$</u>	568,730 38
Total Company Funds .....	<u>\$</u>	592,811 21

*Guaranteed Funds*

6. Specific Guaranteed Funds .....	\$ 8,392 73	
Interest due and accrued .....	145 89	
	<u>\$</u>	8,538 62
7. General Guaranteed Funds .....	\$ 538,403 20	
Interest due and accrued .....	8,547 23	
	<u>\$</u>	546,950 43
8. Due to Company Funds .....	3,677 55	
Total Guaranteed Funds .....	<u>\$</u>	559,166 60

*Estates, Trusts and Agency Funds*

9. Estates .....	\$ 3,911,506 21	
10. Trusts and Agencies .....	3,078,009 45	
11. Due to Company Funds .....	5,000 00	
	<u>\$</u>	6,994,515 66

## THE GUELPH TRUST COMPANY—Continued

*Summary of Liabilities*

Company Funds	\$ 592,811 21
Guaranteed Funds	559,166 60
Estates, Trusts and Agency Funds	6,994,515 66
Grand Total of Liabilities	<u>\$ 8,146,493 47</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 15,473 20	
(b) Bonds and debentures	11,521 66	
(c) Bank deposits	4 00	
(d) Other interest earned	29 68	
	<u>\$</u>	27,028 54
2. Profit on exchange		76 23
3. Profit in guaranteed funds		3,273 07
4. Agency fees and commissions earned		33,194 67
5. All other revenue for the year		2,311 78
Total		<u>\$ 65,884 29</u>

## Expenditure

6. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 16,759 00	
(b) Provincial	255 00	
(c) Municipal	225 10	
	<u>\$</u>	17,239 10
7. All other expenses incurred:		
(a) Salaries	\$ 5,399 90	
(b) Directors' fees	1,690 00	
(c) Auditors' fees	400 00	
(d) Rents and office services	6,000 00	
(e) Valuators' fees and commission on collections	45 00	
(f) Printing and stationery	1,788 40	
(g) Advertising	211 75	
(h) Postage, telegrams, telephones and express	549 01	
(i) Commission paid	55 14	
(j) Miscellaneous	1,312 86	
	<u>\$</u>	17,452 06
8. Net profit transferred to Profit and Loss Account		31,193 13
Total		<u>\$ 65,884 29</u>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 50,161 80
2. Amount transferred from Revenue Account	31,193 13
Total	<u>\$ 81,354 93</u>
3. Dividends to shareholders declared during year	\$ 15,125 04
4. Balance at credit of account at 31st December, 1946	\$ 66,229 89
Total	<u>\$ 81,354 93</u>

## THE GUELPH TRUST COMPANY—Continued

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) June 5th, 1946; (b) July 2nd, 1946; (c) 2½%.
  - (a) December 11th, 1946; (b) January 2nd, 1947; (c) 2½%.
3. Date appointed for the Annual Meeting—February 26th, 1947.  
Date of last Annual Meeting—February 27th, 1946.
4. Amount of interest permanently capitalized during the year:
 

(a) Company	\$	38 60	
(b) Guaranteed		29 72	
		\$	68 32
5. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid
 

		1,323	60
--	--	-------	----

## CONSTATING INSTRUMENTS

Incorporated on the 26th day of May, 1917, by Letters Patent of Ontario, issued under The Loan and Trust Corporations Act, R.S.O. 1927, Chap. 223.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Ontario.....(a)						
Ontario.....(b)	236,799 02	8 00	41	2,525 94	239,333 37	
Saskatchewan.....(a)	16,963 32	398 27		571 55	17,933 14	
Total.....	253,762 34	406 27	41	3,097 49	257,266 51	
Guaranteed Funds:						
Ontario.....(a)	1,000 00			29 17	1,029 17	
Ontario.....(b)	235,479 44	7 50	154 92	2,473 03	238,114 89	
Total.....	236,479 44	7 50	154 92	2,502 20	239,144 06	

# THE INDUSTRIAL MORTGAGE AND TRUST COMPANY

Head Office, Sarnia, Ontario

## OFFICERS

President—JOHN COWAN, K.C.      Manager and Secretary-Treasurer—W. R. PAUL  
 First Vice-President—JOHN H. ANDERSON  
 Second Vice-President—WILLIAM J. SKINNER

## DIRECTORS

JOHN COWAN, K.C.	HOMER LOCKHART
JOHN H. ANDERSON	MALCOLM MCGUGAN
WILLIAM J. SKINNER	WILLIAM D. MACKENZIE
WILLIAM ROBERT PAUL	JOHN H. MOFFATT
WM. D. FERGUSON	CALVERT M. CARRUTHERS, M.D., F.R.C.S.

Auditors—G. D. CAMPBELL, F.C.A.; T. E. LAWLESS, F.C.A.  
 (of Campbell, Lawless, Parker & Black, Chartered Accountants)

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed	635,000 00
Amount paid in cash	635,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$ 48,620 00
2. Book value of real estate held for sale: Freehold land (including buildings)	1 00
3. Amount secured by mortgages on real estate including: First mortgages	\$ 293,561 94
Agreements for sale	356,147 59
	<u>649,709 53</u>

#### (See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral: (There is included in the collateral \$23,650.00 of the Company's own stock upon which \$23,650.00 has been paid.)	
Principal	\$ 68,705 51
Interest due	440 80
Interest accrued	20 92
	<u>69,167 23</u>
5. Book value of bonds, debentures and debenture stocks:	
(a) Provincial and Provincial Guar- anteed	\$ 39,476 00
Interest accrued	397 18
	<u>\$ 39,873 18</u>
(b) Canadian municipalities, school districts and rural telephone companies	7,358 98
(c) All other bonds	50,000 00
	<u>97,232 16</u>
6. Book value of stocks	4,746 25
7. Cash on hand	2,155 40
8. Cash on deposit with chartered banks in Canada	178,799 84
9. Advances to estates, trusts, etc., under administration	16,133 72
10. All other assets	11,301 71
	<u>\$ 1,077,866 84</u>

Total Company Funds



## THE INDUSTRIAL MORTGAGE AND TRUST COMPANY—Continued

*Guaranteed Funds*

11. Amount secured by mortgages on real estate including:			
First mortgages	\$ 1,675,008	84	
Interest due		412	99
Interest accrued		8,286	79
			<u>\$ 1,683,708 62</u>
<i>(See Schedule B)</i>			
12. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom	\$ 2,200,000	00	
Interest accrued		11,037	50
			<u>\$ 2,211,037 50</u>
(b) Provincial and Provincial Guaranteed	\$ 730,881	17	
Interest accrued		6,137	82
			<u>737,018 99</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 308,750	62	
Interest accrued		1,074	25
			<u>309,824 87</u>
(d) All other bonds	\$ 112,457	70	
Interest accrued		181	86
			<u>112,639 56</u>
13. Book value of Stocks			3,370,520 92
14. Cash on hand			303,589 56
15. Cash on deposit with chartered banks in Canada			36,962 97
			<u>145,236 94</u>
Total Guaranteed Funds			<u>\$ 5,540,019 01</u>

*Estates, Trusts and Agency Funds*

16. Unrealized assets	\$ 593,096	34	
17. Investments		266,428	72
18. Cash on hand and in banks		81,295	15
			<u>\$ 940,820 21</u>

*Summary of Assets*

Company Funds	\$ 1,077,866	84	
Guaranteed Funds		5,540,019	01
Estates, Trusts and Agency Funds		940,820	21
Grand Total of Assets			<u>\$ 7,558,706 06</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 7,515	61	
2. Dividends to shareholders declared and unpaid		25,400	00
3. All other liabilities		510	48
Total			<u>\$ 33,426 09</u>

*To the Shareholders:*

4. Paid-in Capital	\$ 635,000	00	
5. Reserve Fund		350,000	00
6. Balance of Profit and Loss Account		59,440	75
Total			<u>\$ 1,044,440 75</u>
Total Company Funds			<u>\$ 1,077,866 84</u>

## THE INDUSTRIAL MORTGAGE AND TRUST COMPANY—Continued

*Guaranteed Funds*

7. Trust deposits		\$ 2,743,223 80
8. General Guaranteed Funds	\$ 2,742,309 01	
Interest due and accrued	54,486 20	
		<u>2,796,795 21</u>
Total Guaranteed Funds		<u>\$ 5,540,019 01</u>

*Estates, Trusts and Agency Funds*

9. Estates	\$ 649,420 06	
10. Trusts and Agencies	275,266 43	
11. Due to Company Funds	16,133 72	
		<u>\$ 940,820 21</u>

*Summary of Liabilities*

Company Funds	\$ 1,077,866 84
Guaranteed Funds	5,540,019 01
Estates, Trusts and Agency Funds	940,820 21
	<u>\$ 7,558,706 06</u>

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 47,323 85	
(b) Collateral loans	3,842 74	
(c) Bonds and debentures	4,883 08	
(d) Dividends on stocks	270 00	
(e) Bank deposits	1,442 14	
(f) Other interest earned	1,105 90	
		<u>\$ 58,867 71</u>
2. Profit on sale of securities and real estate		5,037 84
3. Profit in guaranteed funds		93,029 30
4. Agency fees and commissions earned		7,306 31
5. All other revenue for the year		1,097 85
		<u>\$ 165,339 01</u>

*Expenditure*

6. Interest incurred		\$ 349 29
7. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 36,000 00	
(b) Provincial	1,281 22	
(c) Municipal	639 09	
		<u>37,920 31</u>
8. Commissions on loans and on sale of real estate		938 05
9. All other expenses incurred:		
(a) Salaries	\$ 35,858 02	
(b) Directors' and Advisory Committee fees	2,000 00	
(c) Auditors' fees	2,125 00	
(d) Legal fees	329 70	
(e) Rents	Nil	
(f) Travelling expenses	276 05	
(g) Printing and stationery	3,740 05	
(h) Advertising	2,110 22	
(i) Postage, telegrams, telephones and express	1,607 90	
(j) Maintenance of Office Premises	2,822 39	
(k) Miscellaneous	12,695 79	
		<u>63,565 12</u>

**THE INDUSTRIAL MORTGAGE AND TRUST COMPANY—Continued**

10. Net profit transferred to Profit and Loss Account	\$ 62,566 24
Total	<u>\$ 165,339 01</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$ 53,149 51
2. Amount transferred from Revenue Account	62,566 24
3. Amount transferred from General Investment Reserve	85,000 00
Total	<u>\$ 200,715 75</u>
4. Dividends to shareholders declared during year	\$ 41,275 00
5. Amount transferred to Reserve Fund	100,000 00
6. Balance of account at 31st December, 1946	59,440 75
Total	<u>\$ 200,715 75</u>

**MISCELLANEOUS**

1. Fidelity Bonds on officers of the Corporation, \$50,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) May 15th, 1946; (b) July 2nd, 1946; (c) 2½%.
  - (a) October 30th, 1946; (b) January 2nd, 1947; (c) 2½%, plus 1% bonus.
  - (a) December 4th, 1946; (b) January 2nd, 1947; (c) ½% bonus.
3. Date appointed for the Annual Meeting—First Tuesday in February (Feb. 4, 1947.)  
Date of last Annual Meeting—February 5th, 1946.
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department \$ 13,001 65
5. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid 20,617 06

**CONSTATING INSTRUMENTS**

Incorporated under The Building Societies Act., R.S.O. 1887, c. 169, by declaration filed with the Clerk of the Peace for the County of Lambton, 20th August, 1889.

By Order-in-Council approved March 6th, 1907, pursuant to the provisions of Section 4 (6), cap. 27, 63 Victoria, the authorized capital stock of the Company was increased from \$500,000.00 to \$1,000,000.00.

By 18 George V. Chapter 112, the Company was given Trust Company powers and its name changed to The Industrial Mortgage and Trust Company.

By 24 George V, Chapter 79, the Company assumed the liabilities and purchased under agreement the business, assets, etc., of The East Lambton Farmers' Loan and Savings Company.

The lending and borrowing powers are governed by The Loan and Trust Corporations Act R.S.O. 1937, c. 257.

By Order-in-Council approved 22nd April, 1936, the Lieutenant-Governor assented to The Industrial Mortgage and Trust Company assuming the liabilities and purchase under agreement dated 24th December, 1935, of the business, assets, etc., of The Crown Savings and Loan Company.

## THE INDUSTRIAL MORTGAGE AND TRUST COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Ontario.....(a)	566,434 52	2,429 15			568,863 67	18,253 08
Ontario.....(b)	112,706 76	804 79			113,511 55	11 85
Totals.....	679,141 28	3,233 94			682,375 22	18,264 93
Saskatchewan.....(a)	74,166 50	320 75			74,487 25	7,042 11
Saskatchewan.....(b)						
Totals.....	74,166 50	320 75			74,487 25	7,042 11
Alberta.....(a)	20,964 48				20,964 48	762 78
Alberta.....(b)						
Totals.....	20,964 48				20,964 48	762 78
Total Company Funds	774,272 26	3,554 69			777,826 95	26,069 82
Guaranteed Funds:						
Ontario.....(a)	920,692 55	1,547 38	3,404 88	6,425 01	932,069 82	10,910 00
Ontario.....(b)	762,729 99	917 73	847 55	1,861 78	766,357 05	2,544 92
Totals.....	1,683,422 54	2,465 11	4,252 43	8,286 79	1,698,426 87	13,454 92
Saskatchewan.....(a)	39,723 53	588 60			40,312 13	3,580 38
Saskatchewan.....(b)						
Totals.....	39,723 53	588 60			40,312 13	3,580 38
Alberta.....(a)	4,544 98				4,544 98	564 92
Alberta.....(b)						
Totals.....	4,544 98				4,544 98	564 92
Total Guaranteed Funds.....	1,727,691 05	3,053 71	4,252 43	8,286 79	1,743,283 98	17,600 22

**THE LAMBTON TRUST COMPANY, LIMITED****Head Office, Sarnia, Ontario****OFFICERS****President—CHESTER H. BELTON****Manager—G. C. NORSWORTHY****Vice-President—ALBERT J. JOHNSTON****Secretary—D. J. AGNEW****Treasurer—E. A. PARDEE****DIRECTORS****CHESTER H. BELTON****R. M. E. McDIARMID****ALBERT J. JOHNSTON****A. G. MINIELLY****W. H. KENNY****J. F. ROBERTS, M.D.****H. M. TAYLOR, K.C.****W. A. DONOHUE****Auditors—W. D. GLENDINNING, F.C.A., W. F. MACLENNAN, C.A.,  
of Glendinning, Jarrett, Gray and Roberts.****CAPITAL**

Amount of Capital Stock authorized (20,000 shares of \$50.00 each)	\$ 1,000,000 00
Amount subscribed	315,350 00
Amount paid in cash	315,350 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets***Company Funds*

1. Amount secured by mortgages on real estate including:		
First mortgages	\$ 147,083 34	
Agreements for sale	2,412 26	
Interest due	812 07	
		\$ 150,307 67

*(See Schedule B)*

2. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 100,000 00	
Interest accrued	246 50	
		\$ 100,246 50
(b) Canadian municipalities, school districts and rural telephone companies	\$ 57,900 00	
Interest accrued	661 00	
		58,561 00
(c) All other bonds	\$ 29,646 56	
Interest accrued	212 00	
		29,858 56
3. Book value of stocks		188,666 06
4. Cash on deposit with chartered banks in Canada		54,338 00
5. Advances to estates, trusts, etc., under administration		19,579 75
		2,400 00

Total Company Funds	\$ 415,291 48
---------------------	---------------

*Estates, Trusts and Agency Funds*

6. Unrealized assets	\$ 830,008 90
7. Investments	652,780 06
8. Cash on hand and in banks	191,389 90
	\$ 1,674,178 86

*Summary of Assets*

Company Funds	\$ 415,291 48
Estates, Trusts and Agency Funds	1,674,178 86

Grand Total of Assets	\$ 2,089,470 34
-----------------------	-----------------



## THE LAMBTON TRUST COMPANY, LIMITED—Continued

**Liabilities****Company Funds***To the Public:*

1. Taxes other than taxes on real estate	\$	5,263	63
2. Investment reserves		10,000	00
Total	\$	15,263	63

*To the Shareholders:*

3. Paid-in Capital	\$	315,350	00
4. Reserve Fund		50,000	00
5. Balance of Profit and Loss Account		34,677	85
Total	\$	400,027	85
Total Company Funds	\$	415,291	48

*Estates, Trusts and Agency Funds*

6. Estates	\$	411,853	46
7. Trusts and Agencies		1,259,925	40
8. Due to Company Funds		2,400	00
	\$	1,674,178	86

*Summary of Liabilities*

Company Funds	\$	415,291	48
Estates, Trusts and Agency Funds		1,674,178	86
Grand Total of Liabilities	\$	2,089,470	34

**REVENUE ACCOUNT****Income**

1. Interest and Dividends earned on:			
(a) Mortgages and agreements for sale	\$	8,615	95
(b) Bonds and debentures		6,260	92
(c) Dividends on stocks		3,976	25
	\$	18,853	12
2. Agency fees and commissions earned		17,632	03
Total	\$	36,485	15

**Expenditure**

3. Loss on sale of securities and real estate owned	\$	836	50
4. License fees and taxes other than taxes on real estate:			
(a) Dominion	\$	9,500	00
(b) Provincial		232	50
		9,732	50
5. All other expenses incurred:			
(a) Salaries	\$	5,004	64
(b) Directors' and Advisory Committee fees		350	00
(c) Auditors' fees		350	00
(d) Legal fees		219	30
(e) Rents and General Office Expense		2,100	00
(f) Printing and stationery		380	84
(g) Advertising		184	92
(h) Miscellaneous		112	26
		8,701	96
6. Net profit transferred to Profit and Loss Account		17,214	19
Total	\$	36,485	15

## THE LAMBTON TRUST COMPANY, LIMITED—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	.....	\$	30,077 66
2. Amount transferred from Revenue Account	.....		17,214 19
Total	.....	\$	47,291 85
3. Dividends to shareholders declared during year	.....	\$	12,614 00
4. Balance of account at 31st December, 1946	.....	\$	34,677 85
Total	.....	\$	47,291 85

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$50,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) November 13th, 1946; (b) December 31st, 1946; (c) 3%: bonus, 1%.
3. Date appointed for the Annual Meeting—February 5th, 1947.  
Date of last Annual Meeting—February 6th, 1946.

## CONSTATING INSTRUMENTS

Incorporated on the 26th day of April, 1928, by Letters Patent of Ontario, issued under The Loan and Trust Corporations Act, R.S.O. 1927, Chapter 223. Registered as a Trust Company in Ontario, May 15th, 1928.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:					
Ontario.....(a)	61,133 69			61,133 69	
Ontario.....(b)	88,361 91	812 07		89,173 98	829 05
Total (a).....	61,133 69			61,133 69	
Total (b).....	88,361 91	812 07		89,173 98	829 05
Grand Total.....	149,495 60	812 07		150,307 67	829 05

# THE LONDON AND WESTERN TRUSTS COMPANY, LIMITED

Head Office: Toronto, Ontario

## OFFICERS

President—RT. HON. ARTHUR MEIGHEN, K.C., P.C.  
 Vice-Presidents—G. H. ATKINS, K.C.; RAY LAWSON, O.B.E.; H. R. MACMILLAN, C.B.E.  
 General Manager—HON. JOHN D. HARRISON Secretary—M. W. L. MURRAY  
 Treasurer—JOHN GODWIN

## DIRECTORS

G. H. ATKINS, K.C.	H. R. MACMILLAN, C.B.E.
G. MONTAGUE BLACK	THE RT. HON. ARTHUR MEIGHEN, K.C., P.C.
W. H. CARTER	A. MCPHERSON
J. A. CLARK, K.C.	J. MCCLARY MOORE
W. L. DUFFIELD	JOHN S. MOORE
GORDON FARRELL	LIEUT.-COLONEL NORMAN C. PEARCE
W. GRANT FISHER	PHILIP POCOCK
DAVID H. GIBSON, C.B.E.	SIGMUND SAMUEL, LL.D.
ROBERT E. GRASS, K.C.	A. E. SILVERWOOD
J. MCCLARY GUNN	COLONEL J. E. SMALLMAN
LIEUT.-COLONEL G. INGRAM,	J. GORDON THOMPSON
O.B.E.	THOMAS F. WALKER
HON. RAY LAWSON, O.B.E.	J. WATSON YOUNGE

Auditors—W. D. GLENDINNING, F.C.A.; A. G. CALDER, F.C.A.

## CAPITAL

Amount of Capital Stock authorized (50,000 shares of \$100.00 each)	\$ 5,000,000 00
Amount subscribed	1,213,700 00
Amount paid in cash	1,213,700 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$ 191,491 64
2. Book value of real estate held for sale:	
Freehold land (including buildings)	6,300 34
3. Amount secured by mortgages on real estate including:	
First mortgages	\$ 414,347 68
Agreements for sale	157,395 01
Interest due	47 15
Interest accrued	4,809 57
	576,599 41
(See Schedule B)	
4. Amount of loans secured by stocks, bonds and other collateral:	
Principal	11,136 41
5. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 677,157 00
Interest accrued	5,920 95
	\$ 683,077 95
(b) Provincial and Provincial Guaranteed	\$ 160,000 00
Interest accrued	2,037 23
	162,037 23
(c) All other bonds	\$ 10,498 65
Interest accrued	281 78
	10,780 43
	855,895 61
6. Book value of stocks	5,422 00
7. Cash on hand	725 00
8. Cash on deposit with chartered banks in Canada	215,378 51
9. Advances to estates, trusts, etc., under administration	29,554 56
10. Accrued fees and charges for administering estates, Trusts, etc.	20,930 96
11. All other assets—Office Furniture and Fixtures	27,822 95

Total Company Funds

\$ 1,941,257 39

## THE LONDON AND WESTERN TRUSTS COMPANY, LIMITED—Continued

*Guaranteed Funds*

12. Amount secured by mortgages on real estate including:			
First mortgages .....	\$	2,661,343	10
Second and subsequent mortgages .....		4,451	45
Interest due .....		1,414	15
Interest accrued .....		23,636	64
			<u>\$ 2,690,845 34</u>
<i>(See Schedule B)</i>			
13. Amount of loans, secured by stocks, bonds and other collateral .....		23,429	42
14. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and United Kingdom .....	\$	1,400,686	87
Interest accrued .....		8,774	20
			<u>\$ 1,409,461 07</u>
(b) All other bonds .....	\$	125,732	00
Interest accrued .....		1,119	97
			<u>126,851 97</u>
			1,536,313 04
15. Book value of Stocks .....			168,286 40
16. Cash on hand .....			47 50
17. Cash on deposit with chartered banks in Canada .....	\$	107,173	56
Elsewhere .....		25,839	74
			<u>133,013 30</u>
Total Guaranteed Funds .....			<u>\$ 4,551,935 00</u>

*Estates, Trusts and Agency Funds*

18. Unrealized assets and investments .....	\$	45,803,398	74
19. Cash on hand and in banks .....		3,529,280	22
			<u>\$49,332,678 96</u>

*Summary of Assets*

Company Funds .....	\$	1,941,257	39
Guaranteed Funds .....		4,551,935	00
Estates, Trusts and Agency Funds .....		49,332,678	96
Grand Total of Assets .....			<u>\$55,825,871 35</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate .....	\$	97,727	16
2. All other liabilities .....		106,228	49
Total .....			<u>\$ 203,955 65</u>

*To the Shareholders:*

3. Paid-in Capital .....	\$	1,213,700	00
4. Reserve Fund .....		400,000	00
5. Balance of Profit and Loss Account .....		123,601	74
Total .....			<u>\$ 1,737,301 74</u>
Total Company Funds .....			<u>\$ 1,941,257 39</u>

## THE LONDON AND WESTERN TRUSTS COMPANY, LIMITED—Continued

*Guaranteed Funds*

6. Call Funds		\$	57,893	42
7. Specific Guaranteed Funds	\$	724,400	10	
Interest due and accrued		5,445	75	
				729,845 85
8. General Guaranteed Funds	\$	3,724,077	51	
Interest due and accrued		38,008	58	
				\$ 3,762,086 09
9. Taxes paid in advance, etc.				2,109 64
Total Guaranteed Funds				\$ 4,551,935 00

*Estates, Trusts and Agency Funds*

10. Estates	\$	17,358,995	71	
11. Trusts and Agencies		31,944,128	69	
12. Due to Company Funds		29,554	56	
				\$49,332,678 96

*Summary of Liabilities*

Company Funds	\$	1,941,257	39	
Guaranteed Funds		4,551,935	00	
Estates, Trusts and Agency Funds		49,332,678	96	
Grand Total of Liabilities				\$55,825,871 35

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:				
(a) Mortgages and agreements for sale	\$	42,356	00	
(b) Collateral loans		2,285	20	
(c) Bonds and debentures		19,931	21	
(d) Dividends on stocks		677	50	
(e) Other interest earned		159	20	
				\$ 65,409 11
2. Profit on sale of securities and real estate				304 75
3. Profit in guaranteed funds				44,677 25
4. Agency fees and commissions earned				316,667 09
5. All other revenue for the year				4,744 86
Total				\$ 431,803 06

*Expenditure*

6. License fees and taxes other than taxes on real estate:				
(a) Dominion	\$	28,000	00	
(b) Municipal		4,143	53	
				\$ 32,143 53
7. All other expenses incurred:				
(a) Salaries	\$	211,090	94	
(b) Auditors' fees		5,632	17	
(c) Legal fees		174	50	
(d) Rents		15,925	40	
(e) Travelling expenses and Investment Exp.		14,015	32	
(f) Printing and stationery		9,446	79	
(g) Advertising		11,654	10	
(h) Postage, telegrams, telephones and express		7,505	35	
(i) Maintenance of Office Premises		1,989	45	
(j) Miscellaneous		60,557	78	
				337,991 80
8. Net profit transferred to Profit and Loss Account				61,667 73
Total				\$ 431,803 06



## THE LONDON AND WESTERN TRUSTS COMPANY, LIMITED--Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$ 86,208 01
2. Amount transferred from Revenue Account	61,667 73
Total	<u>\$ 147,875 74</u>
3. Dividends to shareholders during year	\$ 24,274 00
4. Balance of account at 31st December, 1946	123,601 74
Total	<u><u>\$ 147,875 74</u></u>

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) March 15th, 1946; (b) May 1st, 1946; (c) 50¢ per share.
  - (a) September 6th, 1946; (b) November 1st, 1946; (c) \$1.50 per share.
3. Date of last Annual Meeting—February 22nd, 1946.
4. Special General Meetings held during year: February 22nd, 1946.
5. Amount of fees paid to the Company from advances made by it during the year—London Branch. \$ 749 86
6. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid 51,330 00

## CONSTATING INSTRUMENTS

Incorporated on the 17th September, 1896, by Letters Patent of Ontario, issued under The Ontario Joint Stock Companies' Letters Patent Act, R.S.O. 1887, Chap. 157. See also The Loan and Trust Corporations Act, R.S.O. 1937, Chap. 257.

February 18th, 1929—Order-in-Council confirming By-law No. 14 of the Corporation to increase the capital stock from \$500,000.00 to \$1,000,000.00.

August 21st, 1929—Order-in-Council confirming By-law No. 18 of the Corporation to increase the capital stock from \$1,000,000.00 to \$5,000,000.00.

On the 10th day of September, 1929, His Honor the Lieutenant-Governor approved by Order-in-Council the removal of the Head Office of The London and Western Trusts Company, Limited, from the City of London to the City of Toronto.

By an agreement, dated the 15th day of October, 1929, The London and Western Trusts Company, Limited, of London, Ontario, purchased the assets and liabilities, business, rights, property and goodwill, etc., of The Standard Trusts Company with Head Office in Toronto, Ontario. The agreement was ratified and confirmed by the shareholders of both companies and was subsequently approved by the Lieutenant-Governor-in-Council. The transfer became effective on the 18th day of December, 1929. The Standard Trusts Company had, by authority of By-law No. 35, moved its Head Office from Winnipeg to Toronto, and was granted registry in Ontario under date of October 26th, 1929.

June 28th, 1932—Order-in-Council assenting to the conversion of partly paid shares into fully paid shares equivalent to the amount paid in on account of subscriptions not including premiums.

## THE LONDON AND WESTERN TRUSTS COMPANY, LIMITED—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946. CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds:</b>						
Ontario.....(a)	7,860 16			161 38	8,021 54	49 61
Ontario.....(b)	349,155 41	206 17	47 15	3,008 19	352,416 92	165 81
Manitoba.....(a)	15,312 81			106 00	15,418 81	11,462 00
Manitoba.....(b)	37,006 47			352 00	37,358 47	
Saskatchewan.....(a)	40,533 71	25 00			40,558 71	1,086 03
Saskatchewan.....(b)	25,175 00				25,175 00	
Alberta.....(a)	168,612 89	1,978 28		1,182 00	171,773 17	4,430 98
Alberta.....(b)	290 85				290 85	
British Columbia..(b)	32,750 00				32,750 00	
<b>Guaranteed Funds:</b>						
Ontario.....(a)	87,151 23	96 25	cr. 43 90	1,906 43	89,110 01	
Ontario.....(b)	2,456,952 25	1,294 31	5,876 64	19,996 23	2,484,119 43	
Manitoba.....(a)						
Manitoba.....(b)	133 47				133 47	
Alberta.....(a)	9,179 52		160 25		9,339 77	
British Columbia..(b)	132,164 01			1,733 98	133,897 99	
Total.....(a)	328,650 32	2,099 53	116 35	3,355 81	334,222 01	17,194 43
Total.....(b)	3,033,627 46	1,500 48	5,923 79	25,090 40	3,066,142 13	
Grand Total.....	3,362,277 78	3,600 01	6,040 14	28,446 21	3,400,364 14	17,194 43

**MONTREAL TRUST COMPANY****Head Office, Montreal, Quebec****OFFICERS**

President—WILBERT H. HOWARD, C.B.E., K.C.  
 Vice-Presidents—GORDON W. MACDOUGALL, K.C.; SYDNEY G. DOBSON  
 General Manager—O. B. THORNTON, O.B.E. Secretary—M. C. HOLT  
 Assistant General Managers:  
 J. C. KELLY J. P. ANGUS H. J. KNUBLEY C. D. CORNELL

**DIRECTORS**

WILLIAM F. ANGUS	J. D. JOHNSON
HON. F. PHILIPPE BRAIS,	GORDON W. MACDOUGALL, K.C.
C.B.E., K.C., LL.D.	BURNHAM L. MITCHELL
C. H. CARLISLE	GEORGE H. MONTGOMERY, K.C.
W. H. COVERDALE	JOHN C. NEWMAN
HAROLD CRABTREE, C.B.E.	JOHN S. NORRIS
ARTHUR CROSS	FRANK W. ROSS
SYDNEY G. DOBSON	JAMES MCG. STEWART, C.B.E., K.C.
VICTOR M. DRURY	PAUL F. SISE
HON. GEORGE B. FOSTER, K.C.	J. S. D. TORY, O.B.E., K.C.
MAJOR ANDREW P. HOLT	LIONEL O. P. WALSH
WILBERT H. HOWARD, C.B.E., K.C.	JAMES WILSON, O.B.E.

Auditors—DELOITTE, PLENDER, HASKINS &amp; SELLS

**CAPITAL**

Amount of Capital Stock authorized (80,000 shares of \$25.00 each)	\$	2,000,000 00
Amount subscribed		2,000,000 00
Amount paid in cash		2,000,000 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets***Company Funds*

1. Office premises		\$	151,400 99
Archives Building			23,802 29
2. Book value of real estate held for sale:			
Freehold land (including buildings)			1 00
3. Amount secured by mortgages on real estate including:			
First mortgages	\$	363,956 82	
Interest accrued		3,913 16	
			367,869 98

*(See Schedule B)*

4. Amount of loans secured by stocks, bonds and other collateral:			
(There is included in the collateral \$21,175.00 of the Company's own stock upon which \$21,175.00 has been paid.)			
Principal	\$	125,354 49	
Interest due		1,147 65	
			126,502 14
5. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and			
United Kingdom	\$	549,062 50	
Interest accrued		2,000 00	
		\$	551,062 50
(b) Provincial and Provincial			
Guaranteed	\$	993,527 50	
Interest accrued		6,151 55	
			999,679 05
(c) Canadian municipalities, school districts and rural telephone companies	\$	173,547 50	
Interest accrued		1,260 41	
			174,807 91

## MONTREAL TRUST COMPANY—Continued

(d) All other bonds	\$ 1,370,032 10	
Interest accrued	21,857 02	
	<u>\$ 1,391,889 12</u>	\$ 3,117,438 58
6. Book value of stocks		3,421,317 23
7. Cash on hand		1,500 00
8. Cash on deposit with chartered banks in Canada	\$ 716,208 90	
Elsewhere	4 82	
	<u>716,213 72</u>	
9. Cash on Deposit Government of Trinidad Deposit Receipt		10,000 00
10. Advances to estates, trusts, etc., under administration		98,398 64
11. Accrued fees		140,531 83
12. All other assets		20,928 48
Total Company Funds		<u>\$ 8,195,904 88</u>

## Guaranteed Funds

13. Amount secured by mortgages on real estate including:		
First mortgages	\$ 79,662 13	
Interest accrued	450 99	
	<u>\$ 80,113 12</u>	

## (See Schedule B)

14. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 2,309,363 75	
Interest due	461 37	
	<u>2,309,825 12</u>	
15. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and		
United Kingdom	\$17,542,593 73	
Interest accrued	132,552 09	
	<u>\$ 17,675,145 82</u>	
(b) Provincial and Provincial		
Guaranteed	\$ 180,755 15	
Interest accrued	850 42	
	<u>181,605 57</u>	
(c) Canadian municipalities, school		
districts and rural telephone		
companies	\$ 128,010 64	
Interest accrued	895 83	
	<u>128,906 47</u>	
(d) All other bonds	\$ 3,296,483 31	
Interest accrued	35,985 15	
	<u>3,332,468 46</u>	
		21,318,126 32
16. Book value of Stocks		346,061 62
17. Cash on deposit with chartered banks in Canada		2,136,241 75
Total Guaranteed Funds		<u>\$ 26,190,367 93</u>

## Estates, Trusts and Agency Funds

18. Investments and Unrealized Assets	\$879,598,614 07	
19. Cash on hand and in banks	52,686,411 03	
	<u>\$932,285,025 10</u>	

## Summary of Assets

Company Funds	\$ 8,195,904 88
Guaranteed Funds	26,190,367 93
Estates, Trusts and Agency Funds	932,285,025 10
Grand Total of Assets	<u>\$966,671,297 91</u>

## MONTREAL TRUST COMPANY—Continued

## Liabilities

## Company Funds

## To the Public:

1. (a) Money borrowed from banks:	
With security .....	\$ 10,000 00
(b) Money borrowed elsewhere:	
Without security from Subsidiary Companies .....	52,642 06
2. Taxes other than taxes on real estate .....	453,979 00
3. Dividends to shareholders declared and unpaid .....	80,000 00
4. Investment reserves .....	611,979 40
5. All other liabilities .....	397,092 40
Total .....	<u>\$ 1,605,692 86</u>

## To the Shareholders:

6. Paid-in Capital .....	\$ 2,000,000 00
7. Reserve Fund .....	4,000,000 00
8. Balance of Profit and Loss Account .....	590,212 02
Total .....	<u>\$ 6,590,212 02</u>
Total Company Funds .....	<u>\$ 8,195,904 88</u>

## Guaranteed Funds

9. Specific Guaranteed Funds .....	\$ 79,662 13
10. General Guaranteed Funds .....	26,110,705 80
Total Guaranteed Funds .....	<u>\$ 26,190,367 93</u>

## Estates, Trusts and Agency Funds

11. Estates and Trusts .....	\$408,454,985.61
12. Agencies and Safe-Custody .....	523,731,640 85
13. Due to Company Funds .....	98,398 64
	<u>\$932,285,025 10</u>

## Summary of Liabilities

Company Funds .....	\$ 8,195,904 88
Guaranteed Funds .....	26,190,367 93
Estates, Trusts and Agency Funds .....	932,285,025 10
Grand Total of Liabilities .....	<u>\$966,671,297 91</u>

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> —on office premises .....	\$ 3,393 50
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale .....	\$ 16,005 31
(b) Collateral loans .....	68,793 05
(c) Bonds and debentures .....	114,594 59
(d) Dividends on stocks .....	132,585 93
(e) Bank deposits .....	37,978 98
(f) Other interest earned .....	6,218 12
	<u>376,175 98</u>
3. Profit on sale of securities .....	168,143 65
4. Profit in guaranteed funds .....	345,194 56
5. Agency fees and commissions earned .....	980,459 23
Total .....	<u>\$ 1,873,366 92</u>



## MONTREAL TRUST COMPANY—Continued

## Expenditure

6. Interest incurred		\$	14,911	16
7. License fees and taxes other than taxes on real estate:				
(a) Dominion	\$	271,332	71	
(b) Provincial		1,632	54	
(c) Municipal		6,905	93	
				279,871 18
8. Amount transferred to Investment Reserves				293,143 65
9. All other expenses incurred:				
(a) Salaries	\$	615,393	17	
(b) Directors' and Advisory Committee fees		6,807	78	
(c) Auditors' fees		15,000	00	
(d) Legal fees		9,565	47	
(e) Rents		78,785	47	
(f) Travelling expenses		6,700	24	
(g) Printing and stationery		19,826	66	
(h) Advertising		15,341	70	
(i) Postage, telegrams, telephones and express		11,766	57	
(j) Maintenance of real estate held for sale		4,869	63	
(k) Miscellaneous		95,219	06	
				879,275 75
10. Net profit transferred to Profit and Loss Account				406,165 18
Total		\$	1,873,366	92

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	514,046	84
2. Amount transferred from Revenue Account		406,165	18
Total	\$	920,212	02
3. Dividends to shareholders declared during year	\$	320,000	00
4. Transfer to Pension Fund		10,000	00
5. Balance of account at 31st December, 1946		590,212	02
Total	\$	920,212	02

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) January 11th, 1946; (b) January 15th, 1946; (c) 80 cents per share.
  - (a) April 11th, 1946; (b) April 15th, 1946; (c) \$1.00 per share.
  - (a) July 12th, 1946; (b) July 15th, 1946; (c) \$1.00 per share.
  - (a) October 11th, 1946; (b) October 15th, 1946; (c) \$1.00 per share.
3. Date appointed for the Annual Meeting—Any day in January or February at will of Directors.  
Date of last Annual Meeting—February 15th, 1946.
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds. \$ 644,648 39

## CONSTATING INSTRUMENTS

The Montreal Trust Company was incorporated on the 21st day of March, 1889, by Special Act of the Province of Quebec, 52 Vic., c. 72 (Q) and the following subsequent special amending Acts, 54 Vic., c. 75; 55-56 Vic., c. 78; 63 Vic., c. 77; 20 Geo. V, c. 139; and 24 Geo. V, c. 121.

By Special Acts the name was changed in 1895 to Montreal Trust and Deposit Company, 59 Vic., c. 70 (Q), and again in 1909 to the Montreal Trust Company, 9 Edw. VII, c. 115 (Q).

Authorized by Order-in-Council to carry on business in the Province of Ontario as from the 11th day of March, 1909, subject to certain conditions and limitations.

Registered in the Trust Companies Register, January 21st, 1913.

By Order-in-Council, dated February 25th, 1928, the Capital Stock was increased from \$1,000,000.00 to \$2,000,000.00.

The Company has a deposit with the Province of Ontario amounting to \$200,000.00. Order-in-Council assented to 6th July, 1909.

## MONTREAL TRUST COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds						
Quebec.....(b)	292,978 06			3,625 56	296,603 62	
Ontario.....(b)	7,944 75			47 24	7,991 99	
Saskatchewan.....(b)	5,823 83			180 52	6,004 35	
British Columbia.....(b)	91,055 00			59 84	91,114 84	
Alberta.....(b)	7,211 28				7,211 28	
Total .....	405,012 92			3,913 16	408,926 08	
Guaranteed Funds						
Quebec.....(b)	79,662 13			450 99	80,113 12	
Total .....	79,662 13			450 99	80,113 12	



## NATIONAL TRUST COMPANY, LIMITED—Continued

6. Book value of stocks	368,884 00
7. Cash on hand	31,532 62
8. Cash on deposit with chartered banks in Canada, \$582,752.73; elsewhere, \$12.49	582,740 24
9. Advances to estates, trusts, etc., under administration	42,356 02
10. All other assets	1,618 17
Total Company Funds	<u>\$ 5,863,363 38</u>

*Guaranteed Funds*

11. Amount secured by mortgages on real estate including: First mortgages	\$ 3,134,048 78
<i>(See Schedule B)</i>	
12. Amount of loans secured by stocks, bonds and other collateral: Principal	60,900 00
13. Book value of bonds, debentures and debenture stocks: Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 18,036,224 07
(b) Provincial and Provincial Guaranteed	1,196,838 05
(c) Canadian municipalities, school districts and rural telephone companies	209,485 90
(d) All other bonds	683,897 37
	<u>20,126,445 39</u>
14. Book value of Stocks	1,467,870 70
15. Cash on hand	116,558 78
16. Cash on deposit with chartered banks in Canada	936,600 71
Total Guaranteed Funds	<u>\$ 25,842,424 36</u>

*Estates, Trusts and Agency Funds*

17. Unrealized assets	\$131,007,576 71
18. Investments	158,840,825 44
19. Cash on hand and in banks	15,532,083 14
	<u>\$305,380,485 29</u>

*Summary of Assets*

Company Funds	\$ 5,863,363 38
Guaranteed Funds	25,842,424 36
Estates, Trusts and Agency Funds	305,380,485 29
Grand Total of Assets	<u>\$337,086,273 03</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate—Reserve for Dominion Income Tax	\$ 198,289 17
2. Dividends to shareholders declared and unpaid	67,500 00
Total	<u>\$ 265,789 17</u>

## NATIONAL TRUST COMPANY, LIMITED—Continued

*To the Shareholders:*

3. Paid-in Capital	\$ 3,000,000 00
4. Reserve Fund	2,000,000 00
5. Balance of Profit and Loss Account	597,574 21

Total	\$ 5,597,574 21
-------	-----------------

Total Company Funds	\$ 5,863,363 38
---------------------	-----------------

*Guaranteed Funds*

6. Trust deposits	\$ 25,490,617 69
7. General Guaranteed Funds	\$ 350,118 40
Interest due and accrued	1,688 27
	351,806 67

Total Guaranteed Funds	\$ 25,842,424 36
------------------------	------------------

*Estates, Trusts and Agency Funds*

8. Estates, Trusts and Agencies	\$305,338,129 27
9. Due to Company Funds	42,356 02
	\$305,380,485 29

*Summary of Liabilities*

Company Funds	\$ 5,863,363 38
Guaranteed Funds	25,842,424 36
Estates, Trusts and Agency Funds	305,380,485 29
Grand Total of Liabilities	\$337,086,273 03

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 104,100 42	
(b) Collateral loans	1,309 81	
(c) Bonds and debentures	101,905 40	
(d) Dividends on stocks	14,560 00	
(e) Bank deposits	3,545 17	
(f) Other interest earned	3,373 11	
	\$ 228,793 91	
2. Profit in guaranteed funds		511,080 85
3. Agency fees and commissions earned		1,598,850 55
4. All other revenue for the year		28,287 22
Total	\$ 2,367,012 53	

*Expenditure*

5. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 219,116 23	
(b) Provincial	2,141 00	
(c) Municipal	15,941 47	
	\$ 237,198 70	
6. Commissions on loans and on sale of real estate		27 50
7. All other expenses incurred:		
(a) Salaries	\$ 1,174,911 42	
(b) Directors' and Advisory Committee fees	30,325 33	
(c) Auditors' fees	18,650 00	
(d) Legal fees	6,327 05	
(e) Rents	11,990 00	
(f) Travelling expenses	15,045 34	
(g) Printing and stationery	33,078 78	
(h) Advertising	49,045 78	



## NATIONAL TRUST COMPANY, LIMITED—Continued

(i) Postage, telegrams, telephones and express .....	28,701 94	
(j) Maintenance of Office Premises .....	89,462 36	
(k) Miscellaneous .....	335,907 32	
		1,793,445 32
8. Net profit transferred to Profit and Loss Account .....		336,341 01
Total .....	\$	<u>2,367,012 53</u>

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year ..	\$	531,233 20
2. Amount transferred from Revenue Account ..		336,341 01
Total .....	\$	<u>867,574 21</u>
3. Dividends to shareholders declared during year ..	\$	270,000 00
4. Balance of account at 31st December, 1946 ..		597,574 21
Total .....	\$	<u>867,574 21</u>

## MISCELLANEOUS

- Fidelity Bonds on officers of the Corporation—The Company carries its own Fidelity and Indemnity Insurance..
- Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable (c) rates:
  - March 6th, 1946; (b) April 1st; (c) 9% per annum.
  - June 5th; (b) July 2nd; (c) 9% per annum.
  - September 4th; (b) October 1st; (c) 9% per annum.
  - December 4th; (b) January 2nd, 1947; (c) 9% per annum.
- Date appointed for the Annual Meeting—For the year 1946: January 22nd, 1947. Date of last Annual Meeting—January 23rd, 1946.
- Special General Meeting held during year—July 3rd, 1946.
- Amount of interest permanently capitalized during the year .. \$ 24,219 57
- Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department .. \$ 2,318,458 65
- Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid .. 10,000 00

## CONSTATING INSTRUMENTS

August 12, 1898—Incorporated August 12, 1898, as The National Trust Company of Ontario, Limited, by Letters Patent under The Ontario Companies Act.

September 21, 1899—Order-in-Council, Province of Ontario, changing name of The National Trust Company of Ontario, Limited, to National Trust Company, Limited.

March 23, 1900—Authorized to do business in the Province of Quebec—Chap. 78, Statutes of Quebec, 63 Victoria.

July, 1900—Acquired Manitoba Trust Company by the purchase of its entire assets for \$115.00 a share of capital stock.

June 1, 1900—Authorized to carry on and transact business in Manitoba, Chap. 69, Statutes of Manitoba, 63 and 64 Victoria, 1900.

August, 1924—Absorbed The Mercantile Trust Company of Canada, Limited, paying one share National Trust Company, Limited, stock and \$30.00 cash for each two shares The Mercantile Trust Company of Canada, Limited, stock. Order-in-Council, Province of Ontario, assenting to above absorption.

July 16, 1946—Order-in-Council, Province of Ontario, increasing the Capital Stock of the Company from \$3,000,000.00 to \$5,000,000.00.

## NATIONAL TRUST COMPANY, LIMITED—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds</b>						
Ontario.....(b)	203,496 15	Cr. 411 73	322 82		203,406 16	
Quebec.....(b)	30,408 95				30,408 95	
Manitoba.....(b)	52,765 01	57	298 65		53,064 23	
Saskatchewan.....(b)	34,701 95				34,701 95	
<b>Total.....</b>	<b>321,372 06</b>	<b>Cr. 411 16</b>	<b>620 39</b>		<b>321,581 29</b>	
Ontario.....(a)	1,165 55				1,165 55	2,292 72
Quebec.....(a)						
Manitoba.....(a)	486,967 12	56 94	81,185 47		568,509 53	
Saskatchewan.....(a)	521,828 94	3,711 65	61,088 35		586,628 94	
Alberta.....(a)	199,784 71	110 84	5,247 61		205,143 16	80 55
<b>Total.....</b>	<b>1,209,746 32</b>	<b>3,879 43</b>	<b>147,821 43</b>		<b>1,361,447 18</b>	<b>2,373 27</b>
<b>Total Company Funds</b>	<b>1,531,118 38</b>	<b>3,468 27</b>	<b>148,441 82</b>		<b>1,683,028 47</b>	<b>2,373 27</b>
<b>Guaranteed Funds</b>						
Ontario.....(b)	1,939,247 85	515 56	1,801 77		1,941,565 18	
Quebec.....(b)	383,383 20		654 18		384,037 38	
Manitoba.....(b)	126,181 43	75	86 18		126,268 36	
Saskatchewan.....(b)	3,540 04				3,540 04	
Alberta.....(b)	29,761 15		33 25		29,794 40	
<b>Total.....</b>	<b>2,482,113 67</b>	<b>516 31</b>	<b>2,575 38</b>		<b>2,485,205 36</b>	
Ontario.....(a)	12,100 00				12,100 00	
Manitoba.....(a)	199,968 00	77 07	1,585 15		201,630 22	
Saskatchewan.....(a)	355,104 11	471 62	10,877 88		366,453 61	
Alberta.....(a)	407,715 80	976 73	16,895 05		425,587 58	
<b>Total.....</b>	<b>974,887 91</b>	<b>1,525 42</b>	<b>29,358 08</b>		<b>1,005,771 41</b>	
<b>Total Guaranteed Funds.....</b>	<b>3,457,001 58</b>	<b>2,041 73</b>	<b>31,933 46</b>		<b>3,490,976 77</b>	

# THE NORTHERN TRUSTS COMPANY

Head Office, Winnipeg, Manitoba

## OFFICERS

President—C. S. RILEY  
Vice-Presidents—R. J. GOURLEY  
W. A. MURPHY

General Manager—J. HERBERT RILEY  
Secretary—WM. MILTON  
Treasurer—C. R. VINCENT

## DIRECTORS

H. C. ASHDOWN  
H. T. BIRD  
N. J. BREEN  
J. A. CROWE  
A. L. DENISON  
W. J. DOWLER  
R. J. GOURLEY  
H. B. LYALL

W. A. MURPHY  
GEORGE MCLEAN  
G. W. NORTHWOOD  
C. S. RILEY  
HAROLD J. RILEY, K.C.  
C. GORDON SMITH  
E. J. TARR, K.C.

Auditors—WILLIAM GRAY & Co., C.A.

## CAPITAL

Amount of Capital Stock authorized (50,000 shares of \$20.00 each)	\$ 1,000,000 00
Amount subscribed .....	1,000,000 00
Amount paid in cash .....	1,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises .....	\$ 10,875 00
2. Book value of real estate held for sale: Freehold land (including buildings) .....	11,005 72
3. Amount secured by mortgages on real estate including: First mortgages, including charges .....	\$ 319,723 71
Agreements for Sale .....	125,419 02
	445,142 73

#### (See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral: Principal .....	1,000 00
5. Book value of bonds, debentures and debenture stocks: Government and Government Guaranteed: (a) Dominion and United Kingdom .....	\$ 535,218 75
(b) Provincial and Provincial Guaranteed .....	24,875 00
(c) Canadian municipalities, school districts and rural telephone companies .....	26,000 00
(d) All other bonds .....	67,560 00
	653,653 75
6. Book value of stocks .....	351,047 23
7. Cash on hand .....	153 90
8. Cash on deposit with chartered banks in Canada .....	198,205 85
9. Advances to estates, trusts, etc., under administration .....	6,183 58
10. All other assets .....	7,045 70

Total Company Funds .....	\$ 1,684,313 46
---------------------------	-----------------

#### Guaranteed Funds

11. Amount secured by mortgages on real estate including: First mortgages .....	\$ 20,000 00
--	--------------

#### (See Schedule B)

12. Book value of bonds, debentures and debenture stocks: Government and Government Guaranteed: (a) Dominion and United Kingdom .....	142,250 00
13. Cash on deposit with chartered banks in Canada .....	238 48

Total Guaranteed Funds .....	\$ 162,488 48
------------------------------	---------------

## THE NORTHERN TRUSTS COMPANY—Continued

*Estates, Trusts and Agency Funds*

14. Unrealized assets	\$ 9,175,167 43
15. Investments	5,201,450 26
16. Cash on hand and in banks	614,120 27
	<u>\$14,990,737 96</u>

*Summary of Assets*

Company Funds	\$ 1,684,313 46
Guaranteed Funds	162,488 48
Estates, Trusts and Agency Funds	14,990,737 96
	<u>\$16,837,539 90</u>

Grand Total of Assets

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 24,381 82
2. Other expenses due and accrued	3,264 14
3. Reserve against Mortgages and Agreements	71,897 73
4. All other liabilities	966 84
	<u>\$ 100,510 53</u>

Total

*To the Shareholders:*

5. Paid-in Capital	\$ 1,000,000 00
6. General Reserve Fund	400,000 00
7. Balance of Profit and Loss Account	183,802 93
	<u>\$ 1,583,802 93</u>

Total

Total Company Funds

\$ 1,684,313 46

*Guaranteed Funds*

8. Specific Guaranteed Funds	\$ 162,488 48
	<u>\$ 162,488 48</u>

Total Guaranteed Funds

*Estates, Trusts and Agency Funds*

9. Estates, Trusts and Agencies	\$14,984,554 38
10. Due to Company Funds	6,183 58
	<u>\$14,990,737 96</u>

*Summary of Liabilities*

Company Funds	\$ 1,684,313 46
Guaranteed Funds	162,488 48
Estates, Trusts and Agency Funds	14,990,737 96
	<u>\$16,837,539 90</u>

Grand Total of Liabilities

**REVENUE ACCOUNT****Income**

## 1. Interest and Dividends earned on:

(a) Mortgages and agreements for sale	\$ 37,455 22
(b) Collateral loans	50 00
(c) Bonds and debentures	20,020 76
(d) Dividends on stocks	15,307 20
(e) Bank deposits	723 88
(f) Other interest earned	720 52
	<u>\$ 74,277 58</u>

## 2. Profit on sale of securities and real estate

3. Loss in guaranteed funds	3,995 56
4. Agency fees and commissions earned	— 281 88
5. All other revenue for the year	101,303 66
6. Transferred from Investment Reserve	51,168 45
	<u>12,697 96</u>

Total

\$ 243,161 33



## THE NORTHERN TRUSTS COMPANY—Continued

**Expenditure**

7. License fees and taxes other than taxes on real estate:			
(a) Dominion	\$	48,000 00	
(b) Provincial		786 60	
(c) Municipal		1,776 25	
			\$ 50,562 85
8. All other expenses incurred:			
(a) Salaries	\$	69,191 11	
(b) Directors' and Advisory Committee fees		3,910 00	
(c) Auditors' fees		3,000 00	
(d) Legal fees		525 91	
(e) Rents		8,771 37	
(f) Travelling expenses		4,713 26	
(g) Printing and stationery		1,842 20	
(h) Advertising		3,496 22	
(i) Postage, telegrams, telephones and express		2,046 19	
(j) Miscellaneous		9,754 94	
			107,251 20
9. Net profit transferred to Profit and Loss Account			85,347 28
Total			<u>\$ 243,161 33</u>

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$	288,455 65
2. Amount transferred from Revenue Account		85,347 28
Total	\$	<u>373,802 93</u>
3. Dividends to shareholders declared during year	\$	40,000 00
4. Amount transferred to Reserve Fund		150,000 00
5. Balance of account at 31st December, 1946		183,802 93
Total	\$	<u><u>373,802 93</u></u>

**MISCELLANEOUS**

1. Fidelity Bonds on officers of the Corporation, \$69,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
    (a) January 23rd, 1946; (b) February 15th, 1946; (c) 4%.
3. Date appointed for the Annual Meeting—Second Wednesday in February.  
    Date of last Annual Meeting—February 13th, 1946.
4. Amount of interest permanently capitalized during the year \$ 4,072 95
5. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department—\$92,253.02 original assets of Estates and \$26,967.21 as investment for which the Company is responsible.

**CONSTATING INSTRUMENTS**

Incorporated by Chapter 60 of Statutes of Manitoba, 1902.

Incorporated by Act of Parliament of Canada, 13-14 George V, c. 39, Act brought into force by proclamation, December 19th, 1923. Amalgamation effected, January 1st, 1924.

Amended, Chapter 56, 1. Edward VIII, 1936. Assented to June 2nd, 1936.

Registered as a Trust Company in Ontario, July 2nd, 1930.



## THE NORTHERN TRUSTS COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Manitoba.....(a)	48,143 60				48,143 60	644 14
Manitoba.....(b)	24,343 58		Cr. 12 40		24,343 58	
Saskatchewan.....(a)	159,617 94	Cr. 185 56	Cr. 201 70		159,432 38	10,095 36
Saskatchewan.....(b)	88,484 94		Cr. 60 70		88,484 94	
Alberta.....(a)	97,715 52	487 64	Cr. 503 58		98,203 16	26,205 45
Alberta.....(b)	26,535 07		Cr. 80 50		26,535 07	
Total.....(a)	305,477 06	302 08	Cr. 705 28		305,779 14	36,944 95
Total.....(b)	139,363 59		Cr. 153 60		139,363 59	
Total.....	444,840 65	302 08	Cr. 858 88		445,142 73	36,944 95
Guaranteed Funds:						
Manitoba.....(a)						
Manitoba.....(b)						
Saskatchewan.....(a)						
Saskatchewan.....(b)	7,125 30				7,125 30	
Alberta.....(a)						
Alberta.....(b)	12,874 70		34 25		12,874 70	37 60
Total.....	20,000 00		34 25		20,000 00	37 60

## OTTAWA VALLEY TRUST COMPANY

Head Office, Ottawa, Ontario

## OFFICERS

President—G. GORDON GALE

General Manager—J. S. SHAKESPEARE

Vice-Presidents—J. GORDON FLECK

Acting Secretary—H. B. J. RICHARDSON

CAMERON M. EDWARDS, D.S.O.

## DIRECTORS

W. R. BEATTY  
 E. R. BREMNER  
 D. P. CRUIKSHANK  
 C. M. EDWARDS  
 G. M. EDWARDS  
 D. H. FINDLAY  
 J. G. FLECK  
 G. GORDON GALE

D. A. GILLIES  
 G. W. MITCHELL  
 G. SCOTT MURRAY  
 B. B. OSLER  
 D. K. MAC TAVISH  
 H. S. SOUTHAM  
 W. M. SOUTHAM  
 HON. CAIRINE R. WILSON  
 N. F. WILSON

Auditors—MESSRS. McDONALD, CURRIE &amp; Co., Ottawa, Ontario

## CAPITAL STOCK

Amount of Capital Stock Authorized (10,000 shares of \$100.00) ..	\$ 1,000,000 00
Amount Subscribed ..	386,700 00
Amount paid in cash—\$250,000.00 fully called ..	\$250,000 00
130,200.00 30% called ..	39,060 00
	289,060 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

## Assets

## Company Funds

1. Amount secured by mortgages on real estate including:		
First mortgages ..	\$ 6,000 00	
Interest accrued ..	37 50	
		\$ 6,037 50
(See Schedule B)		
2. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
Dominion and United Kingdom ..	\$ 78,618 75	
Interest accrued ..	250 00	
		78,868 75
3. Cash on hand ..		27 83
4. Cash on deposit with chartered banks in Canada ..		260,282 91
5. All other assets ..		7,424 42
Total Company Funds ..		\$ 352,641 41

## Estates, Trusts and Agency Funds

6. Unrealized assets ..	\$ 1,863,397 59
-------------------------	-----------------

## Summary of Assets

Company Funds ..	\$ 352,641 41
Estates, Trusts and Agency Funds ..	1,863,397 59
Grand Total of Assets ..	\$ 2,216,039 00

## OTTAWA VALLEY TRUST COMPANY—Continued

**Liabilities***Company Funds**To the Public:*

1. Expenses due and accrued .....	\$	2,185 70
2. All other liabilities .....		59,190 00
<b>Total .....</b>	<b>\$</b>	<b>61,375 70</b>

*To the Shareholders:*

3. Paid-in Capital .....	\$	289,060 00
4. Balance of Profit and Loss Account .....		2,205 71
<b>Total .....</b>	<b>\$</b>	<b>291,265 71</b>
<b>Total Company Funds .....</b>	<b>\$</b>	<b>352,641 41</b>

*Estates, Trusts and Agency Funds*

5. Estates .....	\$	1,863,397 59
------------------	----	--------------

*Summary of Liabilities*

Company Funds .....	\$	352,641 41
Estates, Trusts and Agency Funds .....		1,863,397 59
<b>Grand Total of Liabilities .....</b>	<b>\$</b>	<b>2,216,039 00</b>

**REVENUE ACCOUNT****Income**

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale .....	\$	37 50
(b) Bonds and debentures .....		169 87
(c) Bank deposits .....		1,409 77
	<b>\$</b>	<b>1,617 14</b>
2. Agency fees and commissions earned .....		125 50
<b>Total .....</b>	<b>\$</b>	<b>1,742 64</b>

**Expenditure**

3. License fees and taxes other than taxes on real estate:		
Municipal (Ottawa business tax) .....	\$	35 36
4. All other expenses incurred:		
(a) Salaries .....	\$	4,256 16
(b) Legal fees .....		1,200 00
(c) Rents .....		406 25
(d) Travelling expenses .....		220 78
(e) Printing and stationery .....		571 92
(f) Advertising .....		1,642 96
(g) Postage, telegrams, telephones and express .....		141 11
(h) Maintenance of Office Premises .....		410 56
(i) Miscellaneous .....		331 41
		<b>9,181 15</b>
5. Loss for period September 24th, 1946, to December 31st, 1946 (transferred to Profit and Loss Account) .....		—7,473 87
<b>Total .....</b>	<b>\$</b>	<b>1,742 64</b>

## OTTAWA VALLEY TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Amount transferred from Revenue Account.....	\$	—7,473 87
2. Premium on capital stock sold during year.....		19,010 00
Total .....	\$	11,536 13
3. Expenses for period from December 18th, 1945 (date of incorporation) to September 24th, 1946 (date of commencement of operations) .....	\$	8,700 42
4. Commissions paid on sales of Capital Stock .....		630 00
5. Balance of account at 31st December, 1946 .....		2,205 71
Total .....	\$	11,536 13

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$75,000.00.
2. Date appointed for the Annual Meeting—Third Tuesday after first day of February in each year.  
Date of last Annual Meeting—February 25th, 1947.
3. Special General Meeting held during year—July 5th, 1946.

## CONSTATING INSTRUMENTS

Incorporated as a Trust Company under the name of Ottawa Valley Trust Company by Special Act of the Parliament of Canada, 9 George VI, 1945, Chapter 53.  
Application for Registry under the Loan and Trust Corporations Act (R.S.O. 1937—Chapter 257) dated 17th August, A.D. 1946.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:					
Ontario.....(b)	6,000 00	.....	.....	37 50	6,037 50
Total.....(b)	6,000 00	.....	.....	37 50	6,037 50

**THE PREMIER TRUST COMPANY****Head Office, Toronto, Ontario****OFFICERS****President and General Manager—THOMAS B. HOLMES****Vice-President—JOHN DEARNESS, LL.D.****Secretary—NORMAN S. WATT****DIRECTORS****THOMAS B. HOLMES****JOHN DEARNESS, LL.D.****A. H. SEGUIN****D. C. MACLACHLAN****J. G. HOLMES**

**Auditors—JAMES R. NEFF, C.A., IAN P. M. ROBERTSON, F.C.A., and JAMES J. STONE, C.A.,**  
**of the firm of Neff, Robertson and Stone.**

**CAPITAL**

Amount of Capital Stock authorized (30,000 shares of \$100.00 each)	\$ 3,000,000 00
Amount subscribed	1,275,000 00
Amount paid in cash:	
On \$1,198,800.00 stock fully called	\$ 1,198,800 00
On \$70,000.00 stock 45% called	31,500 00
On \$6,200.00 stock various % called	2,575 00
	<hr/> 1,232,875 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets***Company Funds*

1. Office premises	\$ 158,174 04
2. Book value of real estate held for sale:	
Freehold land (including buildings)	400,333 57
3. Amount secured by mortgages on real estate including:	
First mortgages	\$ 115,682 32
Second and subsequent mortgages	2,800 00
Agreements for sale	80,342 73
Interest due	113 18
Interest accrued	1,895 81
	<hr/> 200,834 04

*(See Schedule B)*

4. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
Dominion	\$ 673,758 93
Interest accrued	1,338 92
	<hr/> 675,095 85
5. Book value of stocks	217,822 24
6. Cash on hand	32 66
7. Cash on deposit with chartered banks in Canada	12,064 25
8. Advances to estates, trusts, etc., under administration	88,577 16
9. All other assets	4,249 87
Total Company Funds	<hr/> \$ 1,757,183 68



## THE PREMIER TRUST COMPANY—Continued

*Guaranteed Funds*

10. Amount secured by mortgages on real estate including:		
First mortgages	\$ 1,152,953	22
Interest due	2,496	02
Interest accrued	12,095	03
		<u>\$ 1,167,544 27</u>
(See Schedule B)		
11. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 1,019,548	65
Interest due	1,076	51
Interest accrued	152	40
		<u>1,020,777 56</u>
12. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
Dominion	\$ 1,432,529	71
Interest accrued	9,529	62
		<u>1,442,059 23</u>
13. Cash on hand		23,469 88
14. Cash on deposit with chartered banks in Canada, \$58,559.76; elsewhere, \$37.30		<u>58,597 06</u>
Total Guaranteed Funds		<u>\$ 3,712,448 00</u>

*Estates, Trusts and Agency Funds*

15. Unrealized assets	\$ 4,991,655	09
16. Investments	1,667,010	04
17. Cash on hand and in banks	345,561	89
		<u>\$ 7,004,227 02</u>

*Summary of Assets*

Company Funds	\$ 1,757,183	68
Guaranteed Funds	3,712,448	00
Estates, Trusts and Agency Funds	7,004,227	02
Grand Total of Assets		<u>\$12,473,858 70</u>

*Liabilities**Company Funds**To the Public:*

1. Money borrowed from banks (with security)	\$ 300,000	00
2. Taxes other than taxes on real estate	10,878	79
3. Other expenses due and accrued	1,783	33
4. Investment reserve	170,000	00
5. All other liabilities	1,381	75
Total		<u>\$ 484,043 87</u>

*To the Shareholders:*

6. Paid-in Capital	\$ 1,232,875	00
7. Balance of Profit and Loss Account	40,264	81
Total		<u>\$ 1,273,139 81</u>
Total Company Funds		<u>\$ 1,757,183 68</u>

*Guaranteed Funds*

8. Trust deposits	\$ 2,284,054	47
9. General Guaranteed Funds	\$ 1,420,174	35
Interest due and accrued	8,219	18
		<u>1,428,393 53</u>
Total Guaranteed Funds		<u>\$ 3,712,448 00</u>

## THE PREMIER TRUST COMPANY—Continued

*Estates, Trusts and Agency Funds*

10. Estates, Trusts and Agencies	\$ 6,915,649 86
11. Due to Company Funds	88,577 16
	<u>\$ 7,004,227 02</u>

*Summary of Liabilities*

Company Funds	\$ 1,757,183 68
Guaranteed Funds	3,712,448 00
Estates, Trusts and Agency Funds	7,004,227 02
Grand Total of Liabilities	<u>\$12,473,858 70</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 11,476 98	
(b) Bonds and debentures	22,909 37	
(c) Dividends on stocks	9,102 87	
(d) Other interest earned	4,394 28	
	<u>\$</u>	47,883 50
2. Profit on sale of securities and real estate		30,990 98
3. Profit in guaranteed funds		74,149 89
4. Agency fees and commissions earned		98,836 52
5. All other revenue for the year		6,819 61
Total		<u>\$ 258,680 50</u>

## Expenditure

6. Interest incurred	\$ 9,849 95
7. License fees and taxes other than taxes on real estate:	
(a) Dominion	\$ 31,895 55
(b) Provincial	326 00
(c) Municipal	2,776 44
	<u>34,997 99</u>
8. Amount transferred to Investment Reserve	10,000 00
9. All other expenses incurred:	
(a) Salaries	\$ 108,179 35
(b) Directors' and Advisory Committee fees	1,690 00
(c) Auditors' fees	2,500 00
(d) Legal fees	4,256 38
(e) Rents	175 00
(f) Travelling expenses	3,188 62
(g) Printing and stationery	3,865 67
(h) Advertising	3,048 94
(i) Postage, telegrams, telephones and express	4,146 43
(j) Maintenance of Office Premises	137 39
(k) Miscellaneous	28,403 21
	<u>159,590 99</u>
10. Net profit transferred to Profit and Loss Account	44,241 57
Total	<u>\$ 258,680 50</u>

## THE PREMIER TRUST COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	20,666 53
2. Amount transferred from Revenue Account		44,241 57
3. Premium on capital stock sold during year		12 41
Total	\$	64,920 51
4. Dividends to shareholders declared during year	\$	24,655 70
5. Balance of account at 31st December, 1946		40,264 81
Total	\$	64,920 51

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$200,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) June 12th, 1946; (b) June 29th, 1946; (c) 1%.
  - (a) December 18th, 1946; (b) December 31st, 1946; (c) 1%.
3. Date appointed for the Annual Meeting—February 19th, 1947.  
Date of last Annual Meeting—February 20th, 1946.
4. In the case of any Company whose Stocks, Bonds or Debentures are held by the Corporation either directly or indirectly, if such Company is otherwise indebted to the Corporation upon loans either secured by mortgages or other security, or unsecured, state the aggregate amount of such loans \$ 400,333 57  
The amount of interest due and unpaid, whether capitalized or not 243,845 72
5. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department. \$ 67,326 63
6. Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid \$ 12,250 00

## CONSTATING INSTRUMENTS

Incorporated April 2nd, 1913, under Chap. 179, Parliament of Canada, 3-4 Geo. V, Extended March 24th, 1915. Registered in Ontario, November 20th, 1918.

Amalgamation with the Imperial Trusts Company of Canada. Agreement for purchase approved by the Treasury Board of Canada, 28th March, 1934, and also approved by Order-in-Council by the Lieutenant-Governor, Province of Ontario, on 24th April, 1934, as of 28th March, 1934.

Amalgamation with the Security Loan and Savings Company, St. Catharines, Ontario. Agreement of purchase approved by the Treasury Board of Canada, September 1st, 1937, and also approved by Order-in-Council of the Lieutenant-Governor for the Province of Ontario, June 23rd, 1937, as of March 24th, 1937.

## THE PREMIER TRUST COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds						
Mortgages:						
Ontario.....(a)	5,500 00			35 68	5,535 68	
Ontario.....(b)	517,384 07		130 65	1,170 47	518,685 19	467 35
Agreements for Sale:						
Ontario.....(a)	5,365 00			102 48	5,467 48	
Ontario.....(b)	74,217 33	48 90	48 73	587 18	74,902 14	
Alberta.....(a)	711 50				711 50	221 07
Total	603,177 90				605,301 99	
Less held under Power of Sale.....	400,333 57				400,333 57	
	202,844 33	48 90	179 38	1,895 81	204,968 42	688 42
Guaranteed Funds						
Mortgages:						
Ontario.....(a)	454,043 91	17 70	335 69	3,418 03	457,815 33	6,221 45
Ontario.....(b)	695,450 80	217 43	681 81	8,677 00	705,027 04	2,432 07
Alberta.....(a)	605 09		30 25		635 34	
Saskatchewan....(a)	2,558 24	60 05	1,448 27		4,066 56	2,193 70
Total	1,152,658 04	295 18	2,496 02	12,095 03	1,167,544 27	10,847 22
Total (a)	468,783 74	77 75	1,814 21	3,556 19	474,231 89	8,636 02
Total (b)	1,287,052 20	266 33	861 19	10,434 65	1,298,614 37	2,899 42
Grand total	1,755,835 94	344 08	2,675 40	13,990 84	1,772,846 26	11,535 64

**THE PRUDENTIAL TRUST COMPANY, LIMITED****Head Office, Montreal, Quebec****OFFICERS**

President—H. N. CHAUVIN, K.C.  
 Vice-President—L. R. CHAMPION

Manager—FRANK S. TAYLOR  
 Secretary—ALFRED HALL  
 Treasurer—GEORGE M. RAE

**DIRECTORS**

HENRY N. CHAUVIN, K.C.  
 LLOYD R. CHAMPION  
 W. DOIG ROBB  
 GEORGE GANETAKOS  
 FRANK S. TAYLOR

C. M. MARTIN  
 F. M. WELLS  
 E. V. BARTHE  
 D. F. ROGERS  
 D. MORRISON

J. J. COGHLAN

Auditors—RIDDELL, STEAD, GRAHAM &amp; HUTCHISON

**CAPITAL**

Amount of Capital Stock authorized (100,000 shares of \$10.00 each)	\$ 1,000,000 00
Amount subscribed—Capital Stock	175,270 00
Amount paid in cash	175,270 00

**BALANCE SHEET AS AT 31st DECEMBER, 1946****Assets***Company Funds*

1. Office premises	\$ 61,291 73
2. Book value of real estate held for sale:	
Freehold land (including buildings)	3,895 00
3. Amount secured by mortgages on real estate including:	
First mortgages	5,044 21
(See Schedule B)	
4. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
Dominion	\$ 210,000 00
Interest accrued	2,100 00
	212,100 00
5. Book value of stocks	24,771 00
6. Cash on hand	155 00
7. Cash on deposit with chartered banks in Canada	90,863 98
8. Advances to estates, trusts, etc., under administration	1,639 04
9. All other assets	14,816 87
Total Company Funds	\$ 414,576 83

*Estates, Trusts and Agency Funds*

10. Investments	\$ 5,027,930 90
11. Cash on hand and in banks	273,556 69
	\$ 5,301,487 59

*Summary of Assets*

Company Funds	414,576 83
Estates, Trusts and Agency Funds	5,301,487 59
Grand Total of Assets	<u>\$ 5,716,064 42</u>



## PRUDENTIAL TRUST COMPANY, LIMITED—Continued

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$	1,779 08
2. Other expenses due and accrued		8,571 60
3. All other liabilities		2,031 35
Total	\$	12,382 03

*To the Shareholders:*

4. Paid-in Capital	\$	175,270 00
5. Balance of Profit and Loss Account		226,924 80
Total	\$	402,194 80
Total Company Funds	\$	414,576 83

*Estates, Trusts and Agency Funds*

6. Estates, Trusts and Agencies	\$	5,299,848 55
7. Due to Company Funds		1,639 04
	\$	5,301,487 59

*Summary of Liabilities*

Company Funds	\$	414,576 83
Estates, Trusts and Agency Funds		5,301,487 59
Grand Total of Liabilities	\$	5,716,064 42

**REVENUE ACCOUNT****Income**

1. Rents earned, <b>net</b> —on office premises	\$	3,230 55
2. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$	348 06
(b) Bonds and debentures		6,304 52
(c) Dividends on stocks		370 00
(d) Other interest earned		6 28
		7,028 86
3. Profit on sale of securities and real estate		16,655 39
4. Agency fees and commissions earned		147,012 72
5. All other revenue for the year		2,979 58
Total	\$	176,907 10

**Expenditure**

6. Amount by which ledger values of assets were written down	\$	2,356 89
7. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$	185 36
(b) Provincial		747 92
(c) Municipal		942 42
		1,875 70

## PRUDENTIAL TRUST COMPANY, LIMITED—Continued

8. All other expenses incurred:		
(a) Salaries	\$	91,229 02
(b) Directors' and Advisory Committee fees		2,743 16
(c) Auditors' fees		2,875 00
(d) Legal fees		69 00
(e) Rents		13,212 00
(f) Travelling expenses		2,502 88
(g) Printing and stationery		3,189 29
(h) Advertising		2,090 55
(i) Postage, telegrams, telephones and express		2,657 60
(j) Miscellaneous		6,851 38
	\$	127,419 88
9. Net profit transferred to Profit and Loss Account		45,254 33
Total	\$	176,907 10

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	190,433 67
2. Amount transferred from Revenue Account		45,254 33
Total	\$	235,688 30
3. Dividends to shareholders declared during year	\$	8,763 50
4. Balance of account at 31st December, 1946		226,924 80
Total	\$	235,688 30

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation—All officers bonded.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
    (a) March 13th, 1946; (b) May 1st, 1946; (c) 5%.
3. Date appointed for Annual Meeting—March 12th, 1947.  
    Date of last Annual Meeting—March 13th, 1946.

## CONSTATING INSTRUMENTS

The Prudential Trust Company, Limited, was incorporated in 1909 by a Special Act of the Parliament of the Dominion of Canada, 8-9 Edward VII, Chapter 124.

Authorized in 1911 by Special Act of the Legislature, 1 Geo. V, Chapter 139, to transact business in the Province of Ontario as specified in Section 1 (5) of the said Act, which enacts as follows:

"(5) The Company shall be limited in respect of all business relating to property, rights or interests in the Province of Ontario, to the powers mentioned in this Act or granted from time to time to trust companies by any Public Act or Order of the Lieutenant-Governor in Council of the said Province and shall be subject to the general public law of the said Province relating to trust companies and trusts."

In 1922, by Chap. 71, George V, 12-13, the authorized capital was increased from \$1,500,000 to \$2,000,000 representing 20,000 shares of par value \$100.

In 1930, by Chap. 70, George V, 20-21, the capital structure was altered to represent 100,000 shares of stock with a par value of \$20 a share.

In 1934 by Bill No. 11, 5th Session, 17th Parliament 24, George V, the par value of the shares was reduced from \$20 to \$10.

Under the provisions of 1 Geo. V, c. 139, as amended by 10 Geo. V, c. 158, the deposit as security to do business in Ontario may be fixed from time to time by the Lieutenant-Governor in Council. By Order-in-Council, dated June 15th, 1920, the Company's deposit of \$200,000 was reduced to \$50,000.00. By Order-in-Council, dated July 4th, 1933, the deposit required was further reduced to \$30,000.00.

The Company has a deposit in the Province of Ontario amounting to \$30,000.00.

## PRUDENTIAL TRUST COMPANY, LIMITED—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Mortgages:						
Quebec.....(b)	2,044 21				2,044 21	
Agreements for Sale:						
Alberta.....(a)	3,000 00				3,000 00	
Total.....(a)	3,000 00				3,000 00	
Total.....(b)	2,044 21				2,044 21	
Total.....	5,044 21				5,044 21	

# THE ROYAL TRUST COMPANY

Head Office, Montreal, Quebec

## OFFICERS

Honorary President—HUNTLY R. DRUMMOND      President—ROBERT P. JELLETT  
 Vice-President and General Manager—ROSS CLARKSON  
 Vice-President—GEORGE W. SPINNEY, C.M.G.      Secretary—WALTER E. BICKLEY

## DIRECTORS

HUNTLY R. DRUMMOND	GEORGE W. HUGGETT
ROBERT P. JELLETT	R. G. IVEY, K.C.
GEORGE W. SPINNEY, C.M.G.	JOSEPH A. KILPATRICK
ROSS CLARKSON	ROSS H. McMASTER
THE HON. C. C. BALLANTYNE, P.C.	THE HON. S. C. MEWBURN, K.C.
LAMONTE J. BELNAP	HERBERT W. MOLSON
GEORGE A. CAMPBELL, K.C.	THE HON. ALPHONSE RAYMOND, LL.D., L.C.
D'ALTON C. COLEMAN, C.M.G.	H. E. SELLERS, C.B.E.
NORMAN J. DAWES	CHARLES F. SISE
JACKSON DODDS, C.B.E.	WALTER M. STEWART
THE HON. CHARLES A. DUNNING, P.C.	THE HON. L. A. TASCHEREAU, K.C., LL.D.
JAMES A. ECCLES	AUSTIN C. TAYLOR, C.B.E.

Auditors—JOHN PATERSON, C.A. and C. G. WALLACE, C.A., Montreal

## CAPITAL

Amount of Capital Stock authorized (100,000 shares of \$20 each, 30,000 shares of \$100 each)	\$5,000,000 00
Amount subscribed (100,000 shares of \$20 each)	2,000,000 00
Amount paid in cash	2,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Interest in Royal Trust Building, Montreal	\$	280,000 00	
Office premises		605,852 91	
2. Book value of real estate held for sale:			
Freehold land (including buildings)			1 00
3. Amount secured by mortgages on real estate including:			
First mortgages	\$	964,166 85	
Agreements for sale		3,069 21	
Interest due		408 49	
Interest accrued		8,431 89	
			976,076 44

(See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:			
Principal	\$	2,462,483 23	
Interest accrued		1,150 39	
			2,463,633 62
5. Book value of bonds, debentures and debenture stocks:			
Government and Government Guaranteed:			
(a) Dominion and			
United Kingdom	\$	5,919,732 94	
Interest accrued		36,656 50	
			5,956,389 44
(b) Provincial and Provincial			
Guaranteed	\$	1,265,915 23	
Interest accrued		8,978 12	
			1,274,893 35

## THE ROYAL TRUST COMPANY—Continued

(c) Canadian municipalities, school districts and rural telephone companies	\$ 66,578 53	
Interest accrued	516 67	
	<u>\$</u>	67,095 20
(d) All other bonds	\$ 966,563 83	
Interest accrued	22,323 95	
	<u>\$</u>	988,887 78
		<u>\$ 8,287,265 77</u>
6. Book value of stocks		891,583 99
7. Cash on hand		6,970 93
8. Advances to estates, trusts, etc., under administration		1,429,123 15
9. All other assets		138,352 79
Total Company Funds		<u>\$ 15,078,860 60</u>

## Guaranteed Funds

10. Amount of loans, secured by stocks, bonds and other collateral:		
Principal	\$ 219,878 47	
Interest accrued	716 66	
	<u>\$</u>	220,595 13
11. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 5,630,661 08	
Interest accrued	34,541 64	
	<u>\$</u>	5,665,202 72
(b) Provincial and Provincial Guaranteed	\$ 520,028 32	
Interest accrued	4,608 12	
	<u>\$</u>	524,636 44
(c) Canadian municipalities, school districts and rural telephone companies	\$ 435,229 10	
Interest accrued	3,698 48	
	<u>\$</u>	438,927 58
(d) All other bonds	\$ 348,983 51	
Interest accrued	3,008 94	
	<u>\$</u>	351,992 45
		<u>6,980,759 19</u>
12. Cash on deposit with chartered banks in Canada		2,378 36
13. All other assets		35,682 52
Total Guaranteed Funds		<u>\$ 7,239,415 20</u>

## Estates, Trusts and Agency Funds

14. Unrealized assets and investments	\$841,513.952 89	
15. Cash on hand and in banks	37,307,238 08	
	<u>\$</u>	878,821,190 77

## Summary of Assets

Company Funds	\$ 15,078,860 60
Guaranteed Funds	7,239,415 20
Estates, Trusts and Agency Funds	878,821,190 77
Grand Total of Assets	<u>\$901,139,466 77</u>



## THE ROYAL TRUST COMPANY—Continued

## Liabilities

## Company Funds

## To the Public:

1. Money borrowed from banks with security	\$ 6,540,330 00
2. Taxes other than taxes on real estate	173,179 60
3. Reserve for Bonus to shareholders	60,000 00
4. Other expenses due and accrued	22,246 45
5. All other liabilities	120,096 27
Total	<u>\$ 6,915,852 32</u>

## To the Shareholders:

6. Paid-in Capital	\$ 2,000,000 00
7. Reserve Fund	5,000,000 00
8. Balance of Profit and Loss Account	1,163,008 28
Total	<u>\$ 8,163,008 28</u>
Total Company Funds	<u>\$ 15,078,860 60</u>

## Guaranteed Funds

9. Indemnity, Surety and Guarantee Bonds	\$ 35,682 52
10. Specific Guaranteed Funds	337,416 00
11. General Guaranteed Funds	6,866,316 68
Total Guaranteed Funds	<u>\$ 7,239,415 20</u>

## Estates, Trusts and Agency Funds

12. Estates, Trusts and Agencies	\$877,392,067 82
13. Due to Company Funds	1,429,123 15
	<u>\$878,821,190 97</u>

## Summary of Liabilities

Company Funds	\$ 15,078,860 60
Guaranteed Funds	7,239,415 20
Estates, Trusts and Agency Funds	878,821,190 97
Grand Total of Liabilities	<u>\$901,139,466 77</u>

## REVENUE ACCOUNT

## Income

1. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale	\$ 71,499 83
(b) Collateral loans	153,861 34
(c) Bonds and debentures	260,723 45
(d) Dividends on stocks	76,931 30
	<u>\$ 563,015 92</u>
2. Profit in guaranteed funds	91,494 55
3. Agency fees and commissions earned	2,775,461 57
4. All other revenue for the year	40,343 09
Total	<u>\$ 3,470,315 13</u>

## THE ROYAL TRUST COMPANY—Continued

## Expenditure

5. Interest incurred .....		\$	18,658	34
6. License fees and taxes other than taxes on real estate:				
(a) Dominion .....	\$	270,000	00	
(b) Provincial .....		2,528	37	
(c) Municipal .....		21,400	43	
				293,928 80
7. All other expenses incurred:				
(a) Salaries .....	\$	2,006,587	73	
(b) Directors' and Advisory Committee fees .....		48,762	47	
(c) Auditors' fees .....		47,128	43	
(d) Legal fees .....		1,876	09	
(e) Rents .....		180,140	95	
(f) Travelling expenses .....		21,977	61	
(g) Printing and stationery .....		53,038	18	
(h) Advertising .....		36,701	73	
(i) Postage, telegrams, telephones and express .....		56,969	66	
(j) Maintenance of Office Premises .....		47,186	00	
(k) Miscellaneous .....		217,798	14	
				2,718,166 99
8. Net profit transferred to Profit and Loss Account .....				439,561 00
Total .....	\$	3,470,315	13	

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year .....	\$	1,137,197	28	
2. Amount transferred from Revenue Account .....		439,561	00	
3. Amount transferred from Reserve for Contingencies .....		500,000	00	
Total .....	\$	2,076,758	28	
4. Dividends to shareholders declared during year .....	\$	320,000	00	
5. Reserve for bonus of 3% on Capital Stock .....		60,000	00	
6. Amount transferred to Reserve .....		500,000	00	
7. Amount transferred to Staff Pension Fund—Special contribution .....		33,750	00	
8. Balance of account at 31st December, 1946 .....		1,163,008	28	
Total .....	\$	2,076,758	28	

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:
  - (a) January 8th, 1946; (b) February 1st, 1946; (c) 80 cents plus 60 cents.
  - (a) April 9th, 1946; (b) May 1st, 1946; (c) 80 cents.
  - (a) July 9th, 1946; (b) August 1st, 1946; (c) 80 cents.
  - (a) October 8th, 1946; (b) November 1st, 1946; (c) 80 cents.
3. Date appointed for the Annual Meeting—Second Tuesday in February.  
Date of last Annual Meeting—February 12th, 1946.
4. Amount of fees paid to the Company from advances made by it during the year—\$17,000.00 (estimated).

## THE ROYAL TRUST COMPANY—Continued

## CONSTATING INSTRUMENTS

The Royal Trust Company was incorporated in 1892, by Special Act of the Province of Quebec, 55-56 Vict., chap. 79, which was amended by 55-56 Vict. (1892), chap. 80 (Q), and by 59 Vict. (1895), chap. 67 (Q), and by 63 Vict. (1900), chap. 76 (Q), 6 Edw. VII (1906), chap. 73 (Q), 17 Geo. V (1927), chap. 96 (Q), 19 Geo. V (1929), chap. 104 (Q).

Authorized by Special Act of the Legislature of Ontario, 2 Edw. VII. (1902), chap. 103, to transact business therein as specified in Section 1 (5) of the said Act, which enacts as follows:

"(5) The Company shall be limited in respect of all business relating to property, rights or interests in the Province of Ontario, to the powers mentioned in the schedule to The Ontario Trust Companies' Act, and shall be subject to the general provisions of the said Act and of the general public law of the said Province relating to trust companies and trusts."

The Company has a deposit in the Province of Ontario amounting to \$200,000.00.

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Alberta.....(b)	26,304 09		25 87		26,329 96	
British Columbia..(b)	150,801 83		206 61		151,008 44	
Manitoba.....(b)	62,293 98	144 77	25 37		62,464 12	93 10
Nova Scotia.....(b)	8,125 54		66 41		8,191 95	
Ontario.....(a)	10,000 00				10,000 00	
Ontario.....(b)	316,954 29		68 21	3,226 11	320,248 61	
Quebec.....(b)	538,739 31		5,221 80		543,961 11	
Saskatchewan.....(a)	94,456 30	1,734 98			96,191 28	14,368 76
Saskatchewan.....(b)	270 00				270 00	
Total.....(a)	104,456 30	1,734 98			106,191 28	14,368 76
Total.....(b)	1,103,489 04	144 77	5,614 27	3,226 11	1,112,474 19	93 10
Grand Total .....	1,207,945 34	1,879 75	5,614 27	3,226 11	1,218,665 47	14,461 86

# THE STERLING TRUSTS CORPORATION

Head Office, Toronto, Ontario

## OFFICERS

President and General Manager—CHARLES BAUCKHAM

Vice-President—R. T. BIRKS, K.C.

Assistant Manager—JAMES R. LOVATT

Secretary—E. R. MEREDITH

Treasurer—J. M. SMILLIE

## DIRECTORS

CHARLES BAUCKHAM

JOHN HALLAM

LORNE JOHNSON

S. J. BOYD, M.D.

J. M. SMILLIE

E. R. MEREDITH

J. R. BOYS, K.C.

R. T. BIRKS, K.C.

JAMES R. LOVATT

ROBERT BIGELOW, K.C.

H. R. FROST, K.C.

H. T. BURGESS

W. A. DILWORTH

Auditors—PEAT, MARWICK, MITCHELL & COMPANY

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$100.00 each)	\$ 2,000,000 00
Amount subscribed	940,200 00
Amount paid in cash—On \$940,200.00 stock 50% called	824,100 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises		\$ 78,434 37
2. Book value of real estate held for sale:		
Freehold land (including buildings)		6,081 67
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 307,564 44	
Agreements for sale	99,362 30	
Interest due	2,108 47	
Interest accrued	3,243 56	
		412,278 77
(See Schedule B)		
4.. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 10,762 70	
Interest due	45 00	
		10,807 70
5. Book value of bonds, debentures and debenture stocks:		
(a) Provincial	\$ 44,642 50	
Interest accrued	135 21	
		44,777 71
(b) Canadian municipalities	\$ 44,553 43	
Interest accrued	147 95	
		44,701 38
(c) All other bonds	\$ 97,154 98	
Interest accrued	527 11	
		97,682 09
		187,161 18
6. Book value of stocks	\$ 266,033 61	
Accrued dividends thereon	1,036 00	
		267,069 61
7. Cash on hand		9,880 82
8. Cash on deposit with chartered banks in Canada		64,118 47
9. Advances to estates, trusts, etc., under administration		34,045 17
10. Accrued fees and charges		2,665 73
11. All other assets		11,325 70
Total Company Funds		\$ 1,083,869 19

## THE STERLING TRUSTS CORPORATION—Continued

*Guaranteed Funds*

12. Amount secured by mortgages on real estate including:		
First mortgages	\$ 2,192,920	66
Agreements for sale	112,556	09
Interest due	668	83
Interest accrued	22,273	53
	<u>\$ 2,328,419</u>	11

*(See Schedule B)*

13. Book value of bonds, debentures and debenture stocks:		
(a) Dominion Government	\$ 561,867	14
Interest accrued	3,403	49
	<u>\$ 565,270</u>	63
(b) Provincial	\$ 106,456	87
Interest accrued	406	16
	<u>106,863</u>	03
(c) Canadian Municipalities, school districts	\$ 192,385	88
Interest accrued	1,273	14
	<u>193,659</u>	02
(d) All other bonds	119,900	00
Interest accrued	58	63
	<u>119,958</u>	63
		985,751 31
14. Book value of Stocks	\$ 102,019	75
Accrued dividends thereon	400	00
	<u>102,419</u>	75
15. Cash on hand		20,324 90
16. Cash on deposit with chartered banks in Canada		102,799 12
Total Guaranteed Funds		<u>\$ 3,539,714 19</u>

*Estates, Trusts and Agency Funds*

17. Unrealized assets and investments	\$ 6,197,110	27
18. Cash on hand and in banks	434,579	57
	<u>\$ 6,631,689</u>	84

*Summary of Assets*

Company Funds	\$ 1,083,869	19
Guaranteed Funds	3,539,714	19
Estates, Trusts and Agency Funds	6,631,689	84
Grand Total of Assets	<u>\$11,255,273</u>	22

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 16,000	00
2. Dividends to shareholders declared and unpaid	20,590	01
3. All other liabilities	8,608	03
Total	<u>\$ 45,198</u>	04

*To the Shareholders:*

4. Paid-in Capital	\$ 824,100	00
5. Reserve Fund	200,000	00
6. Balance of Profit and Loss Account	14,571	15
Total	<u>\$ 1,038,671</u>	15
Total Company Funds	<u>\$ 1,083,869</u>	19



## THE STERLING TRUSTS CORPORATION—Continued

## Guaranteed Funds

7. Trust deposits		\$ 978,325 82
8. General Guaranteed Funds	\$ 2,536,799 82	
Interest accrued	24,588 55	
		<u>2,561,388 37</u>
Total Guaranteed Funds		<u>\$ 3,539,714 19</u>

## Estates, Trusts and Agency Funds

9. Estates, Trusts and Agencies	\$ 6,597,644 67	
10. Due to Company Funds	34,045 17	
		<u>\$ 6,631,689 84</u>

## Summary of Liabilities

Company Funds	\$ 1,083,869 19
Guaranteed Funds	3,539,714 19
Estates, Trusts and Agency Funds	6,631,689 84
	<u>\$11,255,273 22</u>
Grand Total of Liabilities	

## REVENUE ACCOUNT

## Income

1. Rents earned, net—on office premises		\$ —2,270 17
2. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 12,604 84	
(b) Collateral loans	622 50	
(c) Bonds and debentures	11,770 08	
(d) Dividends on stocks	16,303 90	
(e) Other interest earned	71 68	
		<u>41,373 00</u>
3. Profit on sale of securities		27,640 93
4. Profit in guaranteed funds		65,695 14
5. Agency fees and commissions earned		94,366 15
6. All other revenue for the year		1,947 01
		<u>\$ 228,752 06</u>
Total		

## Expenditure

7. Loss on sale of real estate owned		\$ 4,999 49
8. Amount by which ledger values of assets were written down		5,678 90
9. License fees and taxes other than taxes on real estate:		
(a) Dominion	\$ 23,528 88	
(b) Provincial	1,487 93	
(c) Municipal	932 19	
		<u>25,949 00</u>
10. All other expenses incurred:		
(a) Salaries	\$ 79,367 45	
(b) Directors' and Advisory Committee fees	1,130 00	
(c) Auditors' fees	1,550 00	
(d) Rents	9,435 00	
(e) Travelling expenses	4,656 20	
(f) Printing and stationery	3,732 53	
(g) Advertising	6,440 17	
(h) Postage, telegrams, telephones and express	2,716 91	
(i) Contribution to Staff Retirement Fund	3,000 00	
(j) Miscellaneous	4,824 82	
		<u>116,853 08</u>
11. Net profit transferred to Profit and Loss Account		75,271 59
		<u>\$ 228,752 06</u>
Total		

## - THE STERLING TRUSTS CORPORATION—Continued

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year .....	\$	26,201 40
2. Amount transferred from Revenue Account .....		75,271 59
Total .....	\$	101,472 99
3. Dividends to shareholders declared during year .....	\$	36,901 84
4. Amount transferred to Reserve Fund .....		50,000 00
5. Balance of account at 31st December, 1946 .....		14,571 15
Total .....	\$	101,472 99

**MISCELLANEOUS**

1. Fidelity Bonds on officers of the Corporation, \$25,000.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
(a) June 3rd, 1946; (b) July 2nd, 1946; (c) 2%.  
(a) November 25th, 1946; (b) January 2nd, 1947; (c) 2½%.
3. Date appointed for the Annual Meeting—Second Monday in February.  
Date of last Annual Meeting—February 11th, 1946.
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department. \$ 324,933 85
5. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unrepresented. 7,565 55

**CONSTATING INSTRUMENTS**

The Sterling Trusts Corporation was incorporated 19th May, 1911, by Special Act of Parliament of Canada, 1-2 Geo. V, chap. 144.

The original head office of the Company was at Regina, in the Province of Saskatchewan.

By Order-in-Council (D), head office was changed to the City of Toronto, in the Province of Ontario.

Registered on the Trust Company's Register, 1st December, 1913.

By an Act of the Parliament of Canada, 17 Geo. V, chap. 94, April 14th, 1927, the authorized capital stock of the corporation was increased from \$1,000,000 to \$2,000,000.

**SCHEDULE B**

## SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF 31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Guaranteed Funds Ontario.....(b)	2,305,296 37	180 38	668 83	22,273 53	2,328,419 11	Nil
Company Funds Ontario.....(b)	321,200 15	41 00		2,614 52	323,855 67	Not computed
Saskatchewan.....(a)	82,978 00		2,108 47	629 04	85,715 51	
Saskatchewan.....(b)	2,707 59				2,707 59	
	406,885 74	41 00	2,108 47	3,243 56	412,278 77	

# THE TORONTO GENERAL TRUSTS CORPORATION

Head Office: Toronto, Ontario

## OFFICERS

President—HON. CHARLES MCCREA, K.C.    Manager, Toronto Branch—J. W. LANGMUIR  
 Vice-President—AUBREY DAVIS    Secretary—J. A. H. BURT  
 Vice-President and General Manager—W. G. WATSON    Treasurer—DONALD K. TOW

## DIRECTORS

CHARLES MCCREA, K.C.  
 AUBREY DAVIS  
 WILLIAM G. WATSON  
 HON. A. C. HARDY  
 ISAAC PITBLADO, K.C.  
 HON. ALBERT MATTHEWS  
 CHARLES S. MACINNES, C.M.G., K.C.  
 CHARLES S. MACDONALD  
 ARTHUR L. BISHOP  
 W. KASPAR FRASER, K.C.  
 WALTER C. LAIDLAW

BRIG. GEN. C. H. MACLAREN  
 HERBERT HORSFALL  
 CHARLES S. BAND  
 COL. THE HON. ERIC W. HAMBER  
 C. GORDON COCKSHUTT  
 C. C. CALVIN, K.C.  
 MAJOR J. E. HAHN, D.S.O., M.C.  
 JOHN R. READ  
 WILLIAM C. HARRIS  
 EDGAR G. BURTON  
 F. G. WINSPEAR  
 ROY H. DAVIS

Auditors—CLARKSON, GORDON & Co.; LEVER & HOSKIN

## CAPITAL

Amount of Capital Stock authorized (50,000 shares of \$100.00 each)	\$ 5,000,000 00
Amount subscribed	3,000,000 00
Amount paid in cash	3,000,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises		\$ 1,535,000 00
2. Book value of real estate held for sale:		
(a) Freehold land (including buildings)	\$ 256,335 92	
(b) Held under power of sale, etc.	7,002 00	
		263,337 92
3. Amount secured by mortgages on real estate including:		
First mortgages	\$ 1,749,643 03	
Agreements for sale	113,404 92	
		1,863,047 95

#### (See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:		
Principal	\$ 503,703 09	
Interest due	409 83	
Interest accrued	38 14	
		504,151 06
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and		
United Kingdom	\$ 1,363,895 64	
Interest accrued	12,662 64	
		\$ 1,376,558 28
(b) Provincial and Provincial		
Guaranteed	\$ 55,512 50	
Interest accrued	407 24	
		55,919 74
(c) All other bonds	\$ 35,102 00	
Interest accrued	195 21	
		35,297 21
		1,467,775 23
6. Book value of stocks	\$ 138,443 13	
Accrued dividends thereon	1,021 59	
		139,464 72

## THE TORONTO GENERAL TRUSTS CORPORATION—Continued

7. Cash on hand.....	\$ 1,444 69
8. Cash on deposit with chartered banks in Canada.....	279,646 69
9. Advances to estates, trusts, etc., under administration.....	93,296 51
Total Company Funds.....	<u>\$ 6,147,164 77</u>

## Guaranteed Funds

10. Amount secured by mortgages on real estate including:		
First mortgages.....	\$ 5,083,895 31	
	(See Schedule B)	
11. Amount of loans secured by stocks, bonds and other collateral:		
Principal.....	\$ 1,154,676 71	
Interest due.....	3,374 26	
Interest accrued.....	883 35	
		1,158,934 32
12. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and		
United Kingdom.....	\$ 10,689,995 57	
Interest accrued.....	85,684 87	
	<u>\$ 10,775,680 44</u>	
(b) Provincial and Provincial		
Guaranteed.....	\$ 1,715,070 04	
Interest accrued.....	12,852 86	
		1,727,922 90
(c) Canadian municipalities, school		
districts and rural telephone		
companies.....	\$ 1,504,410 43	
Interest accrued.....	18,394 31	
		1,522,804 74
(d) All other bonds.....	\$ 169,570 46	
Interest accrued.....	1,694 09	
	<u>171,264 55</u>	
		14,197,672 63
13. Book value of Stocks.....	\$ 129,480 00	
Accrued dividends thereon.....	1,588 41	
		131,068 41
14. Cash on hand.....		56,225 83
15. Cash on deposit with chartered banks in Canada.....		983,923 56
Total Guaranteed Funds.....		<u>\$ 21,611,720 06</u>

## Estates, Trusts and Agency Funds

16. Unrealized assets.....	\$158,496,459 73	
17. Investments.....	99,246,312 57	
18. Cash on hand and in banks.....	10,959,555 04	
	<u>\$268,702,327 34</u>	

## Summary of Assets

Company Funds.....	\$ 6,147,164 77
Guaranteed Funds.....	21,611,720 06
Estates, Trusts and Agency Funds.....	268,702,327 34
Grand Total of Assets.....	<u>\$296,461,212 17</u>



## THE TORONTO GENERAL TRUSTS CORPORATION—Continued

## Liabilities

## Company Funds

## To the Public:

1. Taxes other than taxes on real estate	\$	90,487	53
2. Dividends to shareholders declared and unpaid		75,000	00
3. Investment reserves		705,000	00
Total	\$	870,487	53

## To the Shareholders:

4. Paid-in Capital	\$	3,000,000	00
5. Reserve Fund		2,000,000	00
6. Balance of Profit and Loss Account		276,677	24
Total	\$	5,276,677	24
Total Company Funds	\$	6,147,164	77

## Guaranteed Funds

7. Trust deposits	\$	12,188,337	64
8. Specific Guaranteed Funds		139,965	78
9. General Guaranteed Funds	\$	9,207,450	25
Interest due and accrued		75,966	39
		9,283,416	64
Total Guaranteed Funds	\$	21,611,720	06

## Estates, Trusts and Agency Funds

10. Estates, Trusts and Agencies	\$268,609,030	83
11. Due to Company Funds	93,296	51
	\$268,702,327	34

## Summary of Liabilities

Company Funds	\$	6,147,164	77
Guaranteed Funds		21,611,720	06
Estates, Trusts and Agency Funds		268,702,327	34
Grand Total of Liabilities	\$	296,461,212	17

## REVENUE ACCOUNT

## Income

1. Rents earned, <b>net</b> —on office premises	\$	79,320	72
2. Interest and Dividends earned on:			
(a) Mortgages and agreements for sale	\$	124,918	14
(b) Collateral loans		6,374	55
(c) Bonds and debentures		40,270	19
(d) Dividends on stocks		3,722	02
(e) Other interest earned		25,483	84
		200,768	74
3. Profit on sale of securities and real estate		134,822	39
4. Profit in guaranteed funds		291,570	21
5. Agency fees and commissions earned		1,159,356	66
6. All other revenue for the year		31,091	75
Total	\$	1,896,930	47



## THE TORONTO GENERAL TRUSTS CORPORATION—Continued

**Expenditure**

7. Transfer to Staff Retirement or Pension Fund.	\$	27,500	00
8. Loss on sale of securities and real estate owned.		10,204	99
9. Amount by which ledger values of assets were written down		57,335	30
10. License fees and taxes other than taxes on real estate:			
(a) Dominion	\$	113,756	94
(b) Provincial		1,522	21
(c) Municipal		19,720	85
			135,000 00
11. All other expenses incurred:			
(a) Salaries	\$	877,468	68
(b) Directors' and Advisory Committee fees		28,937	00
(c) Auditors' fees		15,100	00
(d) Legal fees		6,854	69
(e) Rents		130,500	00
(f) Travelling expenses		20,577	59
(g) Printing and stationery		31,828	20
(h) Advertising		38,328	70
(i) Postage, telegrams, telephones and express		26,182	74
(j) Maintenance of Office Premises		4,101	82
(k) Miscellaneous		151,332	67
			1,331,212 09
12. Net profit transferred to Profit and Loss Account			335,678 09
Total	\$	1,896,930	47

**PROFIT AND LOSS ACCOUNT**

1. Balance brought forward from previous year	\$	150,999	15
2. Amount transferred from Revenue Account		335,678	09
Total	\$	486,677	24
3. Dividends and Bonuses to shareholders declared during year	\$	210,000	00
4. Balance of account at 31st December, 1946		276,677	24
Total	\$	486,677	24

**MISCELLANEOUS**

1. Fidelity Bonds on officers of the Corporation, \$100,000.			
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:			
(a) February 26th; (b) March 1st; (c) 1½ %.			
(a) May 28th; (b) July 2nd; (c) 1½ %.			
(a) August 27th; (b) October 1st; (c) 1½ %.			
(a) November 12th; (b) January 2nd, 1947; (c) 1½ %, plus bonus of 1%.			
3. Date appointed for the Annual Meeting—First Wednesday in February.			
Date of last Annual Meeting—February 5th, 1947.			
4. Amount of interest permanently capitalized during the year	\$	14,981	00
5. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department		17,366	94
6. Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid		75,281	30

**CONSTATING INSTRUMENTS**

1882—An Act to incorporate The Toronto General Trusts Company. Approval of Company by Lieutenant-Governor of Ontario in Council.

1885—Letters Patent extending the powers of the Company.

1887—Letters Patent increasing the stock of the Company to One Million Dollars.

## THE TORONTO GENERAL TRUSTS CORPORATION—Continued

1888—Letters Patent empowering the Directors to fix the Quorum of the Board by By-law.

1888—Letters Patent incorporating The Trusts Corporation of Ontario.

1889—Letters Patent authorizing the Company to hold Real Estate and to act as a Safe Deposit Company.

1896—Letters Patent incorporating the Ottawa Trusts and Deposit Company, Limited.

1897—Letters Patent authorizing the Company to act in the winding up of Estates, Partnerships, Companies and Corporations.

1899—An Act to amalgamate The Toronto General Trusts Company and The Trusts Corporation of Ontario.

1899—An Act to incorporate The Winnipeg General Trusts Company.

1902—An Act to permit The Toronto General Trusts Corporation to carry on business in Manitoba, and to confirm a deed of agreement with The Winnipeg General Trusts Company.

1902—Approval of Corporation by Lieutenant-Governor of Manitoba in Council.

1903—An Ordinance to permit the Corporation to carry on business in the Northwest Territories.

1903—An indenture of purchase of The Ottawa Trust and Deposit Company, Limited. A Supplementary Indenture. Approval of above Indentures by Lieutenant-Governor of Ontario in Council. Certificate of Attorney-General of Ontario under Loan Corporations Act.

1904—Certificate of Corporations Register.

1904—An Act to permit The Toronto General Trusts Corporation to carry on business in the Province of Quebec.

1905—License to carry on business in British Columbia.

1909—Letters Patent amending Act of 1899 with reference to dividend.

1912—Order-in-Council increasing Capital from \$1,000,000.00 to \$2,000,000.00.

1928—Order-in-Council increasing Capital from \$2,000,000.00 to \$3,000,000.00.

1931—Order-in-Council dated February 17th, 1931, increasing Capital from \$3,000,000.00 to \$5,000,000.00.

## THE TORONTO GENERAL TRUSTS CORPORATION—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds</b>						
Ontario.....(a)	41,117 74				41,117 74	
Manitoba.....(a)	335,480 44	3 00	10 50		335,493 94	
Saskatchewan.....(a)	853,399 46	1,834 25	26,489 24		881,722 95	
Alberta.....(a)	30,360 95	14 00	326 15		30,701 10	
Total.....(a)	1,260,358 59	1,851 25	26,825 89		1,289,035 73	
Ontario.....(b)	782,251 12	1,719 47	2,047 21		786,017 80	
Quebec.....(b)	68,077 04	174 47			68,251 51	
Manitoba.....(b)	22,204 67	cr 235 24	1,153 78		23,123 21	
Saskatchewan.....(b)	56,835 91	53 31	155 65		57,044 87	
British Columbia..(b)	27,597 26				27,597 26	
Total.....	956,966 00	1,712 01	3,356 64		962,034 65	
<b>Grand Total.....</b>	<b>2,217,324 59</b>	<b>3,563 26</b>	<b>30,182 53</b>		<b>2,251,070 38</b>	
<b>Guaranteed Funds</b>						
Ontario.....(a)	66,367 43	15 00	102 50		66,484 93	
Manitoba.....(a)	145,397 09	119 60	3,179 78		148,696 47	
Saskatchewan.....(a)	1,238,436 40	10,453 36	77,883 44		1,326,773 20	
Alberta.....(a)	115,926 58	100 09	2,839 35		118,866 02	
Total.....	1,566,127 50	10,688 05	84,005 07		1,660,820 62	
Ontario.....(b)	2,244,330 98	1,461 99	cr. 507 26		2,245,285 71	
Quebec.....(b)	112,255 00				112,255 00	
Manitoba.....(b)	230,722 81	16 96	cr. 655 10		230,084 67	
Saskatchewan.....(b)	243,412 11	866 67	585 38		244,864 16	
Alberta.....(b)	122,499 71		606 80		123,106 51	
British Columbia..(b)	710,367 09	13 06	cr. 231 60		710,148 55	
Total.....	3,663,587 70	2,358 68	cr. 201 78		3,665,744 60	
<b>Grand Total..</b>	<b>5,229,715 20</b>	<b>13,046 73</b>	<b>83,803 29</b>		<b>5,326,565 22</b>	

# THE VICTORIA TRUST AND SAVINGS COMPANY

Head Office, Lindsay, Ontario

## OFFICERS

President—T. H. STINSON, K.C.

Manager and Secretary—G. A. WEEKS

Vice-Presidents—J. B. BEGG

Treasurer—C. E. WEEKS, K.C.

H. J. McLAUGHLIN, K.C.

## DIRECTORS

T. H. STINSON, K.C.

C. E. WEEKS, K.C.

H. J. McLAUGHLIN, K.C.

F. G. PERRIN

W. WALDEN

S. A. FLAVELLE

G. S. MATTHEWS

Auditors—RUTHERFORD WILLIAMSON, F.C.A., and HAROLD A. SHIACH, F.C.A.  
(of Rutherford Williamson and Company, Toronto.)

## CAPITAL

Amount of Capital Stock authorized (10,000 shares of \$100.00 each)	\$ 1,000,000 00
Amount subscribed	925,000 00
Amount paid in cash	925,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$ 29,200 00
2. Book value of real estate held for sale:	
Freehold land (including buildings)	29,317 12
3. Amount secured by mortgages on real estate including:	
First mortgages	\$ 21,343 17
Company in possession	50,906 11
Agreements for sale	253,841 83
Interest due	350 53
Interest accrued	1,157 15
	327,598 79

(See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 38,758 99
Interest due	143 27
Interest accrued	335 14
	39,237 40
5. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$ 304,244 83
Interest accrued	2,250 68
	\$ 304,244 83
(b) Provincial and Provincial Guaranteed	
anted	\$ 20,100 00
Interest accrued	200 00
	20,300 00
(c) Canadian municipalities, school districts and rural telephone companies	\$ 172,036 27
Interest accrued	3,786 22
	175,822 49
(d) All other bonds	\$ 137,791 02
Interest accrued	1,379 71
	139,170 73
6. Book value of stocks	639,538 05
7. Cash on hand	525,422 25
8. Cash on deposit with chartered banks in Canada	1,419 95
9. Advances to estates, trusts, etc., under administration	47,411 48
	4,599 38
Total Company Funds	\$ 1,643,744 42

## THE VICTORIA TRUST AND SAVINGS COMPANY—Continued

*Guaranteed Funds*

10. Amount secured by mortgages on real estate including:		
First mortgages	\$ 5,065,698 01	
Interest due	12,974 49	
Interest accrued	46,836 02	
		\$ 5,125,508 52
(See Schedule B)		
11. Amount of loans secured by stocks, bonds and other collateral:		
Principal		10,725 25
12. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$ 2,527,859 83	
Interest accrued	23,278 34	
		\$ 2,551,138 17
(b) Provincial and Provincial Guaranteed	\$ 385,865 37	
Interest accrued	2,447 28	
		388,312 65
(c) Canadian municipalities, school districts and rural telephone companies	\$ 826,779 03	
Interest accrued	14,964 55	
		841,743 58
(d) All other bonds	\$ 751,739 60	
Interest accrued	9,719 13	
		761,458 73
13. Book value of Stocks		4,542,653 13
14. Cash on hand		54,788 66
15. Cash on deposit with chartered banks in Canada		267,964 75
Total Guaranteed Funds		\$10,350,261 17

*Estates, Trusts and Agency Funds*

16. Unrealized assets	\$ 1,514,265 58	
17. Investments	558,807 84	
18. Cash on hand and in banks	260,491 35	
		\$ 2,333,564 77

*Summary of Assets*

Company Funds	\$ 1,643,744 42
Guaranteed Funds	10,350,261 17
Estates, Trusts and Agency Funds	2,333,564 77
Grand Total of Assets	<u>\$14,327,570 36</u>

*Liabilities**Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 32,920 67
2. Dividends to shareholders declared and unpaid	13,875 00
3. Investment reserves	100,000 00
4. All other liabilities	22,395 66
Total	<u>\$ 169,191 33</u>

*To the Shareholders:*

5. Paid-in Capital	\$ 925,000 00
6. Reserve Fund	500,000 00
7. Balance of Profit and Loss Account	49,553 09
Total	<u>\$ 1,474,553 09</u>
Total Company Funds	<u>\$ 1,643,744 42</u>



## THE VICTORIA TRUST AND SAVINGS COMPANY—Continued

*Guaranteed Funds*

8. Trust deposits		\$ 3,157,264 18
9. General Guaranteed Funds	\$ 7,013,746 18	
Interest due and accrued	179,250 81	
		7,192,996 99
Total Guaranteed Funds		<u>\$10,350,261 17</u>

*Estates, Trusts and Agency Funds*

10. Estates	\$ 1,406,657 19	
11. Trusts and Agencies	922,308 20	
12. Due to Company Funds	4,599 38	
		<u>\$ 2,333,564 77</u>

*Summary of Liabilities*

Company Funds	\$ 1,643,744 42
Guaranteed Funds	10,350,261 17
Estates, Trusts and Agency Funds	2,333,564 77
Grand Total of Liabilities	<u>\$14,327,570 36</u>

## REVENUE ACCOUNT

*Income*

1. Interest and Dividends earned on:		
(a) Mortgages and agreements for sale	\$ 14,302 73	
(b) Collateral loans	1,137 95	
(c) Bonds and debentures	22,730 78	
(d) Dividends on stocks	18,736 00	
		\$ 56,907 46
2. Profit on sale of securities and real estate		28,382 89
3. Profit in guaranteed funds		200,146 84
4. Agency fees and commissions earned		12,477 65
5. All other revenue for the year		4,383 69
Total		<u>\$ 302,298 53</u>

*Expenditure*

6. Interest incurred	\$ 6,857 53
7. Loss on sale of real estate owned	31,029 74
8. License fees and taxes other than taxes on real estate:	
(a) Dominion	\$ 33,000 00
(b) Provincial—License fees	310 00
	33,310 00
9. Commissions on loans	1,755 50
10. Amount transferred to Investment Reserves	64,609 21
11. All other expenses incurred:	
(a) Salaries	\$ 46,056 79
(b) Directors' and Advisory Committee fees	5,831 67
(c) Auditors' fees	2,500 00
(d) Legal fees	34 85
(e) Travelling expenses	901 01
(f) Printing and stationery	3,276 21
(g) Advertising	3,529 61
(h) Postage, telegrams, telephones, express and excise	2,742 23
(i) Commission on sale of G.I. Certificates	5,812 98
(j) Maintenance of Office Premises	8,152 34
(k) Miscellaneous	24,536 10
	103,373 79
12. Net profit transferred to Profit and Loss Account	61,362 76
Total	<u>\$ 302,298 53</u>

## THE VICTORIA TRUST AND SAVINGS COMPANY—Continued

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year	\$	36,752	83
2. Amount transferred from Revenue Account		61,362	76
3. Amount transferred from Investment Reserve		285,000	00
Total	\$	383,115	59
4. Dividends to shareholders declared during year	\$	48,562	50
5. Amount transferred to Reserve Fund		285,000	00
6. Balance of account at 31st December, 1946		49,553	09
Total	\$	383,115	59

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$100,000.00.
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:  
Three quarterly dividends of 1¼% each and one of 1½%, payable first of April, July and October, 1946, and January 2nd, 1947 (declared 15th of month preceding.)
3. Date appointed for the Annual Meeting—February 4th, 1947.  
Date of last Annual Meeting—February 5th, 1946.
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department. \$ 260,491 35
5. Amount of Company's own Guaranteed Investment Receipts and interest thereon, *due* and unpaid \$ 138,294 76

## CONSTATING INSTRUMENTS

Incorporated under The Building Societies Act, 1887, c. 169, as amended by 56 Vic., c. 31 (O), by declaration filed with the Clerk of the Peace for the County of Victoria, on the 4th September, 1897.

The operations of the Company were for a time by law restricted to the County of Victoria (56 Vic., c. 31), continued by R.S.O. 1897, c. 205, s. 8 (4); but the Company, having fulfilled the statutory requirements, was by Letters Patent of Ontario, bearing date 11th November, 1898, relieved from the above restriction of its operations.

By a Special Act of the Legislature of Ontario, 13 Geo. V, c. 107, the Company was granted the powers of a trust company and the name was changed to The Victoria Trust and Savings Company. (See also The Loan and Trust Corporations Act, R.S.O. 1937, chap. 257).

## THE VICTORIA TRUST AND SAVINGS COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing including charges	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>Company Funds</b>					
Ontario.....(a)	27,018 72	349 34	657 25	28,025 31	Not calculated
Ontario.....(b)	152,303 21	1 19	499 90	152,804 30	
Saskatchewan.....(a)	323,786 23			323,786 23	
Saskatchewan.....(b)	8,413 11			8,413 11	
	511,521 27	350 53	1,157 15	513,028 95	
<b>Guaranteed Funds</b>					
Ontario.....(a)	384,093 07	2,620 48	7,462 90	394,176 45	
Ontario.....(b)	4,418,029 94	10,354 01	39,373 12	4,467,757 07	
Saskatchewan.....(a)	256,824 37			256,824 37	
Saskatchewan.....(b)	6,750 63			6,750 63	
	5,065,698 01	12,974 49	46,836 02	5,125,508 52	
<b>Total.....(a)</b>	991,722 39	2,969 82	8,120 15	1,002,812 36	
<b>Total.....(b)</b>	4,585,496 89	10,355 20	39,873 02	4,635,725 11	
<b>Grand Total.....</b>	5,577,219 28	13,325 02	47,993 17	5,638,537 47	

# THE WATERLOO TRUST AND SAVINGS COMPANY

Head Office, Waterloo, Ontario

## OFFICERS

President—FORD S. KUMPF      Managing Director and Secretary—P. V. WILSON  
 Assistant General Manager—J. W. SCOTT  
 Vice-Presidents—LOUIS L. LANG      Treasurer—W. A. BEAN  
                                  HENRY KNELL

## DIRECTORS

FORD S. KUMPF	ALLAN HOLMES
LOUIS L. LANG	H. C. KRUG
HENRY KNELL	H. L. McCULLOCH
GEORGE A. DOBBIE	F. H. SCHNEIDER
HON. W. D. EULER	J. E. F. SEAGRAM
P. R. HILBORN	W. H. SOMERVILLE
W. L. HILLIARD, M.D.	P. V. WILSON
WILLIAM HENDERSON	T. W. SEAGRAM

Auditors—J. F. SCULLY, C.A., and R. P. UFFELMANN, C.A.

## CAPITAL

Amount of Capital Stock authorized (20,000 shares of \$100.00 each)	\$2,000,000 00
Amount subscribed	1,500,000 00
Amount paid in cash	1,500,000 00

## BALANCE SHEET AS AT 31st DECEMBER, 1946

### Assets

#### Company Funds

1. Office premises	\$	272,388 74
2. Book value of real estate held for sale:		
Freehold land (including buildings)		32,169 49
3. Amount secured by mortgages on real estate including:		
First mortgages	\$	262,310 95
Interest accrued		5,392 19
		<u>267,703 14</u>

#### (See Schedule B)

4. Amount of loans secured by stocks, bonds and other collateral:		
(There is included in the collateral \$29,395.00 of the Company's own stock upon which \$29,395.00 has been paid.)		
Principal	\$	121,405 73
Interest accrued		1,078 55
		<u>122,484 28</u>
5. Book value of bonds, debentures and debenture stocks:		
Government and Government Guaranteed:		
(a) Dominion and United Kingdom	\$	980,043 22
Interest accrued		2,667 79
		<u>\$ 982,711 01</u>
(b) Canadian municipalities, school districts and rural telephone companies	\$	6,467 11
Interest accrued		24 80
		<u>6,491 91</u>
(c) All other bonds	\$	32,002 89
Interest accrued		202 57
		<u>32,205 46</u>
		<u>1,021,408 38</u>

## THE WATERLOO TRUST AND SAVINGS COMPANY—Continued

6. Book value of stocks	\$ 10,100 50
7. Cash on hand	337,278 59
8. Cash on deposit with chartered banks in Canada	5,607 76
9. Advances to estates, trusts, etc., under administration	23,705 59
10. Accrued fees and charges for administering estates	58,282 94
11. All other assets	60,287 79

Total Company Funds \$ 2,211,417 20

*Guaranteed Funds*

12. Amount secured by mortgages on real estate including:	
First mortgages	\$ 5,342,103 04
Agreements for sale	91,840 41
Interest due	5,793 80
Interest accrued	59,457 95
	<u>\$ 5,499,195 20</u>

*(See Schedule B)*

13. Amount of loans secured by stocks, bonds and other collateral:	
Principal	\$ 189,065 28
Interest accrued	457 20
	<u>189,522 48</u>
14. Book value of bonds, debentures and debenture stocks:	
Government and Government Guaranteed:	
(a) Dominion and United Kingdom	\$11,991,099 46
Interest accrued	83,930 62
	<u>\$12,075,030 08</u>
(b) Provincial and Provincial Guaranteed	\$ 193,802 43
Interest accrued	2,321 02
	<u>196,123 45</u>
(c) Canadian municipalities, school districts and rural telephone companies	\$ 1,000,107 40
Interest accrued	8,545 62
	<u>\$ 1,008,653 02</u>
(d) All other bonds	\$ 203,971 18
Interest accrued	988 11
	<u>204,959 29</u>
	<u>13,484,765 84</u>
15. Book value of Stocks	173,912 54
16. Cash on hand	192,027 15
17. Cash on deposit with chartered banks in Canada, \$1,159,266.00; elsewhere, \$78,423.57	1,237,689 57
Total Guaranteed Funds	<u>\$20,777,112 78</u>

*Estates, Trusts and Agency Funds*

18. Unrealized assets	\$ 5,402,942 68
19. Investments	5,214,840 37
20. Cash on hand and in banks	783,695 87
	<u>\$11,401,478 92</u>

*Summary of Assets*

Company Funds	\$ 2,211,417 20
Guaranteed Funds	20,777,112 78
Estates, Trusts and Agency Funds	11,401,478 92
Grand Total of Assets	<u>\$34,390,008 90</u>

**Liabilities***Company Funds**To the Public:*

1. Taxes other than taxes on real estate	\$ 53,820 32
2. Dividends to shareholders declared and unpaid	30,862 50
Total	<u>\$ 84,682 82</u>



## THE WATERLOO TRUST AND SAVINGS COMPANY—Continued

*To the Shareholders:*

3. Paid-in Capital	\$ 1,500,000 00
4. Reserve Fund	525,000 00
5. Balance of Profit and Loss Account	101,734 38
Total	<u>\$ 2,126,734 38</u>
Total Company Funds	<u>\$ 2,211,417 20</u>

*Guaranteed Funds*

6. Trust deposits	\$14,559,778 70
Interest due and accrued	58,381 88
	<u>\$14,618,160 58</u>
7. General Guaranteed Funds	\$ 6,066,947 15
Interest due and accrued	92,005 05
	<u>6,158,952 20</u>
Total Guaranteed Funds	<u>\$20,777,112 78</u>

*Estates, Trusts and Agency Funds*

8. Estates	\$ 5,479,447 03
9. Trusts and Agencies	5,898,326 30
10. Due to Company Funds	23,705 59
	<u>\$11,401,478 92</u>

*Summary of Liabilities*

Company Funds	\$ 2,211,417 20
Guaranteed Funds	20,777,112 78
Estates, Trusts and Agency Funds	11,401,478 92
Grand Total of Liabilities	<u>\$34,390,008 90</u>

## REVENUE ACCOUNT

*Income*

1. Rents earned, <i>net</i> —on office premises	\$ 1,031 93
2. Interest and Dividends earned on:	
(a) Mortgages and agreements for sale	\$ 11,177 62
(b) Collateral loans	4,418 57
(c) Bonds and debentures	22,623 45
(d) Dividends on stocks	724 00
(e) Bank deposits	6,829 62
(f) Other interest earned on	1,108 05
	<u>46,881 31</u>
3. Profit on sale of securities and real estate	18,367 50
4. Profit in guaranteed funds	265,813 42
5. Agency fees and commissions earned	84,308 90
6. All other revenue for the year	8,530 20
Total	<u>\$ 424,933 26</u>

*Expenditure*

7. Interest incurred	\$ 1,289 70
8. Loss on sale of securities and real estate owned	181 76
9. Amount by which ledger values of assets were written down	10,000 00
10. License fees and taxes other than taxes on real estate:	
(a) Dominion	\$ 45,000 00
(b) Provincial	326 25
(c) Municipal	1,828 57
	<u>47,154 82</u>

## THE WATERLOO TRUST AND SAVINGS COMPANY—Continued

11. Commissions on loans and on sale of real estate.....		5,948 43
12. All other expenses incurred:		
(a) Salaries .....	\$ 168,435 66	
(b) Directors' and Advisory Committee fees .....	7,294 60	
(c) Auditors' fees .....	2,800 00	
(d) Legal fees .....	1,152 46	
(e) Rents .....	9,608 00	
(f) Travelling expenses .....	1,943 18	
(g) Printing and stationery .....	10,286 58	
(h) Advertising .....	13,077 90	
(i) Postage, telegrams, telephones and express .....	5,679 30	
(j) Commission on sale of G.I. Certificates .....	672 10	
(k) Maintenance of Office Premises .....	655 39	
(l) Miscellaneous .....	36,240 60	
	<hr/>	\$ 257,845 77
13. Net profit transferred to Profit and Loss Account .....		102,512 78
Total .....		<hr/> <hr/> \$ 424,933 26

## PROFIT AND LOSS ACCOUNT

1. Balance brought forward from previous year .....	\$ 55,084 10
2. Amount transferred from Revenue Account .....	102,512 78
3. Premium on capital stock sold during year .....	125,000 00
Total .....	<hr/> \$ 282,596 88
4. Dividends to shareholders declared during year .....	\$ 55,862 50
5. Amount transferred to Reserve Fund .....	125,000 00
6. Balance of account at 31st December, 1946 .....	101,734 38
Total .....	<hr/> <hr/> \$ 282,596 88

## MISCELLANEOUS

1. Fidelity Bonds on officers of the Corporation, \$700,000.00.	
2. Dividends and bonuses declared during year giving (a) dates declared, (b) dates payable, (c) rates:	
(a) June 21st, 1946; (b) July 2nd, 1946; (c) 5%.	
(a) December 20th, 1946; (b) January 2nd, 1947; (c) 5%.	
3. Date appointed for the Annual Meeting—February 4th, 1947.	
Date of last Annual Meeting—February 5th, 1946.	
4. Amount belonging to Estates, Trusts and Agency Funds held on deposit in Guaranteed Funds Department .....	\$ 625,624 49
5. Amount of fees paid to the Company from advances made by it during the year .....	703 85
6. Amount of Company's own Guaranteed Investment Receipts and interest thereon, due and unpaid:	
Principal .....	\$ 82,560 69
Interest .....	479 28
	<hr/>
	\$ 83,039 97

## CONSTATING INSTRUMENTS

Originally incorporated as a Loan Corporation by Letters Patent, 7th April, 1913, under The Loan and Trust Corporations Act, 2 Geo. 5, 1912, chap. 34, now R.S.O. 1937, chap. 257. The original corporate name was The Waterloo County Loan and Savings Company.

By a Special Act of the Legislature of Ontario, 12-13 Geo. V, c. 148, the Company was granted the powers of a trust company and the name was changed to the Waterloo Trust and Savings Company.

## THE WATERLOO TRUST AND SAVINGS COMPANY—Continued

## SCHEDULE B

SUMMARY OF MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE AS OF  
31ST DECEMBER, 1946, CLASSIFIED AS TO PROVINCE

Province (a) Farm (b) Urban	Principal out- standing	Charges out- standing	Interest due and unpaid	Interest accrued	Totals	Amount of interest due and not charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Company Funds:						
Ontario.....(a)						
Ontario.....(b)	178,155 95	5 00		4,666 74	182,827 69	
Quebec.....(a)						
Quebec.....(b)	84,150 00			725 45	84,875 45	
Guaranteed Funds:						
Ontario.....(a)	159,152 56	124 65	480 82	2,470 26	162,228 29	
Ontario.....(b)	4,919,406 60	1,432 52	5,030 83	54,106 26	4,979,976 21	
Quebec.....(a)						
Quebec.....(b)	240,610 58	66 40		2,215 04	242,892 02	
Manitoba.....(a)						
Manitoba.....(b)	33,709 32	4 88	282 15	666 39	34,662 74	
Saskatchewan.....(a)	94,721 36	4,714 58			99,435 94	
Saskatchewan.....(b)						
Total.....(a)	253,873 92	4,839 23	480 82	2,470 26	261,664 23	
Total.....(b)	5,456,032 45	1,508 80	5,312 98	62,379 88	5,525,234 11	
Grand Total.....	5,709,906 37	6,348 03	5,793 80	64,850 14	5,786,898 34	

# ABSTRACT

OF THE

## Annual Report

OF THE

### Registrar

---

# Loan and Trust Corporations

Ontario

BEING A

Tabulated Summary of the Statements (subject to correction)  
made by Loan and Trust Corporations pursuant to  
Section 121 of the Loan and Trust Corporations  
Act. R.S.O. 1937, c. 257.

FOR THE YEAR ENDING 31st DECEMBER

# 1946

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

---

TORONTO :

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty

1947





---

---

## Loan Corporations

Including Loaning Land Corporations and Building  
Societies

1. ASSETS.
  2. LIABILITIES.
  3. INCOME.
  4. EXPENDITURES.
  5. PROFIT AND LOSS ACCOUNT.
- 
-

## STATEMENT OF ASSETS OF LOAN CORPORATIONS

Name of Corporation	Office Premises	Real Estate held for sale	Mortgages and Agree- ments on Real Estate including Interest	Loans on Stocks and Bonds including Interest	Government and Government Guaranteed Securities United Kingdom and Dominion of Canada including interest	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
Canada Permanent Mortgage Corporation.	3,093,300 00	52,527 88	39,649,202 77	104,454 22	20,564,516 85	1
Central Canada Loan and Savings Company	100,000 00		62,138 60	10,600 00	525,000 00	2
Credit Foncier Franco-Canadien	378,601 00	1,720,057 70	29,977,990 35	34,119 58	13,291,605 63	3
Guelph and Ontario Investment and Savings Society	23,847 06	17,125 20	3,542,235 68	14,961 49	2,024,464 35	4
Huron and Erie Mortgage Corporation	1,755,000 00	85,921 07	19,573,659 48		19,001,770 31	5
Lambton Loan and Investment Company	15,480 00	5,796 83	2,554,308 34	45,775 54	886,330 00	6
Midland Loan and Savings Company	1,000 00		2,489,949 59	3,540 46	684,637 50	7
Ontario Loan and Debenture Company	90,000 00	10,664 04	13,216,065 46	43,411 84	6,634,532 27	8
Peterborough Workingmen's Building and Savings Society			247,458 08	3,724 40	17,855 00	9
Provident Investment Company		1,025 38	4,686 16			10
Toronto Mortgage Company	45,000 00		3,297,302 23		600,000 00	11
Toronto Savings and Loan Company	50,000 00	219,637 90	49,272 42	6,000 00	440,000 00	12
Totals	5,552,228 06	2,112,756 00	114,664,269 16	266,587 53	64,670,711 91	
Totals previous year	5,587,804 11	3,295,935 64	107,032,535 16	521,816 11	57,390,050 37	

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

	Provincial and Provincial Guaranteed Bonds Including Interest	Canadian Municipals, School Districts, and Rural Telephone Debentures, including Interest	All other Bonds including Interest	Stocks and accrued Dividends	Cash on hand and in Banks	Other Assets	Total
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	1,716,905 78	542,137 97	844,263 17	3,648,727 12	4,207,334 34	39,054 99	74,462,425 09
2	25,000 00	12,545 00	512,200 40	3,889,441 00	23,425 59	.....	5,160,350 59
3	2,190,551 86	586,873 68	732,401 70	.....	1,339,067 88	758,434 40	51,009,703 78
4	132,394 43	31,643 31	37,282 20	266,737 62	376,876 68	.....	6,467,568 02
5	1,521,152 90	259,955 07	666,325 83	4,077,335 39	1,864,972 62	.....	48,806,092 67
6	201,630 00	454,629 03	318,768 12	745,447 95	406,117 09	3,587 01	5,637,869 91
7	151,133 06	16,274 81	.....	72,424 93	313,973 86	4,291 00	3,737,225 21
8	437,327 00	83,090 69	404,800 08	.....	608,250 92	.....	21,528,142 30
9	.....	.....	.....	.....	11,912 03	871 57	281,821 08
10	.....	.....	.....	165,495 49	3,275 25	1,522 12	176,004 40
11	195,788 81	81,004 31	36,250 74	237,356 19	129,798 15	.....	4,622,500 43
12	25,000 00	.....	100,000 00	2,553,071 30	36,015 18	1,106 65	3,480,103 45
	6,596,883 84	2,068,153 87	3,652,292 24	15,656,036 99	9,321,019 59	808,867 74	225,369,806 93
	6,524,974 65	2,568,214 39	3,233,055 87	13,532,145 84	7,339,849 93	680,592 80	207,706,974 87

## STATEMENT OF LIABILITIES OF LOAN CORPORATIONS

Name of Corporation	To the							
	Debenture Stock, including Interest	Debentures, including Interest		Deposits, including Interest	Money Borrowed including Interest			
		Payable in Canada	Payable Elsewhere than in Canada					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
Canada Permanent Mortgage Corporation .....		29,357,088 63	1,901,811 67	29,353,412 51				1
Central Canada Loan and Savings Company .....								2
Credit Foncier Franco-Canadien .....		11,349,225 70	11,343,548 02					3
Guelph and Ontario Investment and Sav- ings Society .....		2,680,921 13		2,213,508 49				4
Huron and Erie Mortgage Corporation ..		19,632,270 65	10,652 85	21,986,052 61				5
Lambton Loan and Investment Company ..		2,053,844 44		1,863,130 18				6
Midland Loan and Savings Company .....		1,952,432 78		693,480 55				7
Ontario Loan and Debenture Company ..		10,998,748 14		5,847,761 21				8
Peterborough Workingmen's Building and Savings Society .....								9
Provident Investment Company .....						81,252 00		10
Toronto Mortgage Company .....		1,116,936 67	939,521 72	217,630 75				11
Toronto Savings and Loan Company .....								12
Totals .....		79,141,468 14	14,195,534 26	62,174,976 30		81,252 00		
Totals previous year .....		73,905,804 12	14,898,383 34	50,257,253 55		82,128 99		

## Deficit.

Includes difference in foreign exchange \$4,361,460.36 and suspense profit account \$1,500,436.75.

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

Public				To Shareholders				
	Investment Reserves	Dividends Unpaid	Other Liabilities	Total Liabilities to the Public	Paid-in Capital	Reserve Fund and Contingency Reserve	Balance of Profit and Loss Account	Total Liabilities to Shareholders
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	1,033,367 34	140,000 00	147,854 61	61,933,534 76	7,000,000 00	5,000,000 00	528,890 33	12,528,890 33
2	228,519 19	50,000 00	25,000 00	303,519 19	2,500,000 00	2,100,000 00	256,831 40	4,856,831 40
3	5,358,052 06	2,210,120 41	17,466,333 82	37,727,280 01	9,647,667 19	2,821,673 72	813,082 86	13,282,423 77
4		24,130 00	31,204 38	4,949,764 00	965,200 00	519,435 00	33,169 02	1,517,804 02
5		50,000 00	70,554 00	41,749,530 11	5,000,000 00	2,000,000 00	56,562 56	7,056,562 56
6		31,590 00	20,906 63	3,969,471 25	789,750 00	789,750 00	88,898 66	1,668,398 66
7		21,600 00	90,000 00	2,757,513 33	360,000 00	480,000 00	139,711 88	979,711 88
8		50,000 00	115,202 63	17,011,711 98	2,000,000 00	2,400,000 00	116,430 32	4,516,430 32
9	7,874 91		4,106 70	11,981 61	227,326 82		42,512 65	269,839 47
10			1,874 73	83,126 73	100,000 00		*7,122 33	92,877 67
11		24,662 50	38,684 28	2,337,435 92	986,500 00	1,165,002 00	133,562 51	2,285,064 51
12		40,000 00	17,000 00	57,000 00	2,000,000 00	1,200,000 00	223,103 45	3,423,103 45
	6,627,813 50	2,642,102 91	8,028,721 78	172,891,868 89	31,576,444 01	18,475,860 72	2,425,633 31	52,477,938 04
	6,407,536 69	2,310,049 19	7,700,495 51	155,561,651 39	31,554,154 05	18,244,326 84	2,346,842 59	52,145,323 48



## REVENUE ACCOUNT OF LOAN CORPORATIONS

## Income

Name of Corporation	Rents Earned on Office Premises Net	Interest and			
		On Mort- gages and Agreements for Sale	On Collateral Loans	On Bonds and Debentures	
	\$ c.	\$ c.	\$ c.	\$ c.	
Canada Permanent Mortgage Corporation.....	129,868 38	1,971,234 80	5,675 83	677,336 45	1
Central Canada Loan and Savings Company.....	2,191 13	4,341 01	542 49	38,575 89	2
Credit Foncier Franco-Canadien.....		1,741,062 17	1,132 37	412,033 69	3
Guelph and Ontario Investment and Savings Society.....	6,965 74	192,829 84	753 53	72,169 59	4
Huron and Erie Mortgage Corporation.....	62,414 26	1,117,210 41		707,656 28	5
Lambton Loan and Investment Company.....		146,253 71	2,904 81	51,875 88	6
Midland Loan and Savings Company.....		154,431 91	198 61	31,042 92	7
Ontario Loan and Debenture Company.....	3,807 79	669,831 34	1,908 35	280,904 12	8
Peterborough Workingmen's Building and Savings Society...		11,824 42	169 20	1,329 51	9
Provident Investment Company.....		224 74			10
Toronto Mortgage Company.....		194,773 01		34,161 39	11
Toronto Savings and Loan Company.....	4,194 16	5,763 55	360 00	12,357 39	12
Totals.....	209,441 46	6,209,780 91	13,645 19	2,319,443 11	
Totals previous year.....	218,443 03	6,239,256 74	13,757 27	1,908,446 45	

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Income

Dividends Earned											
	Dividends on Stocks	On Bank Deposits	Other Interest Earned	Profit on Sale of Securities and Real Estate	Assets Written Up	Agency Fees and Com- missions Earned	All other Revenue for Year	Totals			
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	156,658 88	27,613 26		63,856 36		22,778 25	73,657 71	3,128,679 92			
2	220,658 75	201 37		41,607 13	100 00		16,981 20	325,198 97			
3		9,401 71		282,403 36			2,596 79	2,448,630 09			
4	12,985 42	36 89		1,761 10			550 00	288,052 11			
5	160,067 41	396 16		13,658 92		12,246 58	28,687 40	2,102,337 42			
6	45,757 82			14,535 97		112 67	12,767 96	274,208 81			
7	3,750 00	782 27		4,727 04			2,250 62	197,183 37			
8	27 75			38,858 76		1,725 66	8,821 78	1,005,885 55			
9				2,407 50	557 50		605 89	16,894 02			
10	4,038 20			2,500 03		5,605 67	1,769 50	14,138 14			
11	16,393 58	254 69	116 28	4,547 62			14,130 55	264,377 12			
12	150,680 28			18,232 54			46,461 48	238,049 40			
	771,018 09	38,686 35	116 28	489,096 32	657 50	42,468 83	209,280 88	10,303,634 92			
	711,810 69	40,821 59	499 30	787,638 50	1,058 90	49,142 57	386,310 79	10,357,185 83			

# **REVENUE ACCOUNT OF LOAN CORPORATIONS** **Expenditure**

Name of Corporation	Interest incurred on			Loss on Sale of securities and real estate
	Debtures and debenture stock 1	Deposits 2	Other borrowed money 3	
	\$ c.	\$ c.	\$ c.	\$ c.
Canada Permanent Mortgage Corporation.....	991,264 02	461,327 66		108,207 54
Central Canada Loan and Savings Company.....				15 00
Credit Foncier Franco-Canadien.....	698,935 46			
Guelph and Ontario Investment and Savings Society.....	85,596 65	32,341 07		
Huron and Erie Mortgage Corporation.....	621,161 84	331,801 93	20,971 20	
Lambton Loan and Investment Company.....	69,412 52	29,517 12	257 14	1
Midland Loan and Savings Company.....	61,562 92	10,715 05		2
Ontario Loan and Debenture Company.....	346,696 83	96,287 17	2,496 36	3
Peterborough Workingmen's Building and Savings Society..			180 65	4
Provident Investment Company.....			3,829 73	5
Toronto Mortgage Company.....	63,696 66	3,761 28		6
Toronto Savings and Loan Company.....				7
				8
Totals.....	2,938,326 90	965,751 28	27,735 08	119,519 50
				9
Totals previous year.....	2,944,052 77	814,637 40	27,074 90	317,416 69
				10
				11
				12

\* Includes amount written off office premises.

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Expenditure

	Amount by which ledger values of assets were written down 5	License fees and taxes other than taxes on real estate			Trans- ferred to Invest- ment Reserves 9	All other expenses incurred including Commis- sions 10	Net profit 11	Total 12
		Dominion 6	Provincial 7	Municipal 8				
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	*163,016 42	6,183 37	2,523 09	16,855 36		793,958 00	585,344 46	3,128,679 92
2	10,396 20	38,900 00	311 26	803 00	10,000 00	47,208 97	217,564 54	325,198 97
3		300,000 00	858 05	3,413 43	275,000 00	707,728 43	462,694 72	2,448,630 09
4		24,480 59	275 50	839 07	37,116 05	57,172 94	50,230 24	288,052 11
5	*32,809 39	2,140 47	11,715 98	12,538 15	237,000 00	537,169 48	295,028 98	2,102,337 42
6		43,919 97				41,471 27	89,630 78	274,208 81
7		31,471 04	267 42			27,042 04	66,124 90	197,183 37
8	1 00	148,000 00	1,991 82	2,819 62	4,544 17	166,426 59	225,325 03	1,005,885 55
9	34 55		56 50	13 32	336 04	3,716 64	12,556 32	16,894 02
10			40 00	144 73	31 35	8,683 78	1,408 55	14,138 14
11		53,933 48	658 77	407 75		36,771 32	105,147 86	264,377 12
12		8,729 16	200 00			33,248 64	195,871 60	238,049 40
	206,257 56	657,758 08	18,898 39	37,834 43	564,027 61	2,460,598 10	2,306,927 99	10,303,634 92
	339,053 69	595,207 36	3,177 48	36,708 17	945,909 65	2,132,712 49	2,201,235 23	10,357,185 83

### PROFIT AND LOSS ACCOUNT OF LOAN CORPORATIONS

Name of Corporation	Balance at January 1st. 1946	Net Profit
	1	2
	\$      c.	\$      c
Canada Permanent Mortgage Corporation.....	503,545 87	585,344 46 1
Central Canada Loan and Savings Company.....	239,266 86	217,564 54 2
Credit Foncier Franco-Canadien.....	776,961 80	462,694 72 3
Guelph and Ontario Investment and Savings Society.....	31,198 78	50,230 24 4
Huron and Erie Mortgage Corporation.....	111,533 58	295,028 98 5
Lambton Loan and Investment Company.....	114,300 37	89,630 79 6
Midland Loan and Savings Company.....	109,586 98	66,124 90 7
Ontario Loan and Debenture Company.....	116,105 29	225,325 03 8
Peterborough Workingmen's Building and Savings Society.....	39,278 30	12,556 32 9
Provident Investment Company.....	*9,231 74	1,408 55 10
Toronto Mortgage Company.....	127,064 65	105,147 86 11
Toronto Savings and Loan Company.....	187,231 85	195,871 60 12
Totals.....	2,346,842 59	2,306,927 99
Totals previous year.....	2,400,174 98	2,201,235 23

\* Deficit.

†† Refund of Income and Excess Profit Taxes.



## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

	Transferred from Reserve Fund and Contingency Reserve	Totals	Dividends declared including Bonuses	Transferred to Reserve Fund and Contingency Reserve	Other Charges	Balance as at 31st December 1946	Totals
	3	4	5	6	7	8	9
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	.....	1,088,890 33	560,000 00	.....	.....	528,890 33	1,088,890 33
2	.....	456,831 40	200,000 00	.....	.....	256,831 40	456,831 40
3	.....	1,239,656 52	404,789 78	21,783 88	.....	813,082 86	1,239,656 52
4	.....	81,429 02	48,260 00	.....	.....	33,169 02	81,429 02
5	.....	406,562 56	200,000 00	150,000 00	.....	56,562 56	406,562 56
6	.....	203,931 16	55,282 50	59,750 00	.....	88,898 66	203,931 16
7	.....	175,711 88	36,000 00	.....	.....	139,711 88	175,711 88
8	.....	341,430 32	200,000 00	.....	25,000 00	116,430 32	341,430 32
9	.....	51,834 62	9,321 97	.....	.....	42,512 65	51,834 62
10	††700 86	*7,122 33	.....	.....	.....	*7,122 33	*7,122 33
11	.....	232,212 51	98,650 00	.....	.....	133,562 51	232,212 51
12	.....	383,103 45	160,000 00	.....	.....	223,103 45	383,103 45
	700 86	4,654,471 44	1,972,304 25	231,533 88	25,000 00	2,425,633 31	4,654,471 44
	100,000 00	4,701,410 21	1,948,025 99	391,541 63	15,000 00	2,346,842 59	4,701,410 21



---

---

## Trust Companies

1. ASSETS (COMPANY FUNDS).
  2. ASSETS (GUARANTEED FUNDS).
  3. LIABILITIES (COMPANY FUNDS).
  4. LIABILITIES (GUARANTEED FUNDS).
  5. INCOME.
  6. EXPENDITURE.
  7. PROFIT AND LOSS ACCOUNT.
  8. GUARANTEED FUND REVENUE.
- 
-

## STATEMENT OF ASSETS OF TRUST COMPANIES

## Company

Name of Company	Office Premises	Real Estate held for sale	Mortgages and Agree- ments on Real Estate, including Interest	Loans on Stocks and Bonds, including Interest	Government and Government Guaranteed Securities United Kingdom and Dominion of Canada including interest	Provincial and Provincial Guaranteed Bonds including Interest	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
Bankers' Trust Company.....			255,424 51	3,029 98	76,570 00		1
British Mortgage and Trust Cor- poration of Ontario.....	48,663 48	47,728 00	44,685 41		37,419 57		2
Brockville Trust and Savings Co..			586,276 14	889 90	126,551 55	72,963 35	3
Canada Permanent Trust Co.....			524,904 49	17,920 75	468,423 09	75,233 93	4
Canada Trust Company.....			1,111,616 21	870 94	327,337 22	107,804 36	5
Capital Trust Corporation Ltd....	60,000 00	12,287 80	262,432 57	86,534 14	526,797 71	19,845 87	6
Chartered Trust and Executor Company.....	343,402 77		79,547 91	246,740 53	824,970 71	670 21	7
Crown Trust & Guarantee Co....	421,437 30		173,276 20	44,715 81	173,148 40		8
Eastern Trust Company.....	70,000 00	1 00	537,523 51	43,766 08	347,087 14	68,894 81	9
Grey and Bruce Trust and Sav- ings Company.....	35,368 29	39,009 10	187,390 84	93,299 54			10
Guaranty Trust Co. of Canada...	26,219 18	1 00		133,476 51	50,398 63	24,655 14	11
Guelph Trust Company.....			159,739 80		379,935 62	9,958 72	12
Industrial Mortgage and Trust Co.	48,620 00	1 00	649,709 53	69,167 23		39,873 18	13
Lambton Trust Company.....			150,307 67		100,246 50		14
London and Western Trust Co., Limited.....	191,491 64	6,300 34	576,599 41	11,136 41	683,077 95	162,037 23	15
Montreal Trust Company.....	175,203 28	1 00	367,869 98	126,502 14	551,062 50	999,679 05	16
National Trust Company, Ltd....	810,348 30	11,489 85	1,238,518 28	89,289 82	2,643,151 85		17
Northern Trusts Company.....	10,875 00	11,005 72	445,142 73	1,000 00	535,218 75	24,875 00	18
Ottawa Valley Trust Co.....			6,037 50		78,868 75		19
Premier Trust Company.....	158,174 04	400,333 57	200,834 04		675,095 85		20
Prudential Trust Company Ltd....	61,291 73	3,895 00	5,044 21		212,100 00		21
Royal Trust Company.....	885,852 91	1 00	976,076 44	2,463,633 62	5,956,389 44	1,274,893 35	22
Sterling Trusts Corporation.....	78,434 37	6,081 67	412,278 77	10,807 70		44,777 71	23
Toronto General Trusts Corpora- tion.....	1,535,000 00	263,337 92	1,863,047 95	504,151 06	1,376,558 28	55,919 74	24
Victoria Trust and Savings Co....	29,200 00	29,317 12	327,598 79	39,237 40	304,244 83	20,300 00	25
Waterloo Trust and Savings Co....	272,388 74	32,169 49	267,703 14	122,484 28	982,711 01		26
Totals.....	5,261,971 03	862,960 58	11,409,586 03	4,108,653 84	17,437,365 35	3,002,381 65	
Totals previous year.....	5,182,203 09	1,839,094 57	12,884,295 70	6,565,864 19	14,775,147 88	2,986,644 61	

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Funds

	Canadian Municipals, School Dis- tricts and Rural Telephone Debentures including Interest	All other Bonds including Interest	Stocks and Accrued Dividends	Cash on Hand and in Banks	Due from Guaranteed Funds	Advances to Estates, Trusts, etc., under Adminis- tration	Accrued fees and charges for Adminis- tering Estates	Other Assets	Totals
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1			1 00	4,865 23				462 62	340,353 34
2	31,227 97		1,635,796 00	175,132 67		636 06			2,021,289 16
3	9,047 65		48,059 34	6,000 00		1,500 00		1,779 76	853,067 69
4		63,181 23	364,007 97	136,473 62				49,245 09	1,699,390 17
5		9,399 13	51,345 25	90,497 15		95,330 00			1,794,200 26
6	235,839 84	87,200 33	44,915 25	15,295 73		414 89		7,033 22	1,358,597 35
7	15,695 75	150,087 23	312,911 42	79,852 27		7,955 00	18,036 57	8,734 17	2,088,604 54
8	6,124 09	365,083 33	514,314 87	115,872 28		83,409 72	10,551 32	22,287 71	1,930,221 03
9	138,109 71	155,888 24	133,358 00	61,711 53		153,472 31		8,520 74	1,718,333 07
10			400,260 20	14,765 72		4,917 51		37,222 96	812,234 16
11	378,033 94	248,790 49		61,571 81		2,500 00	4,333 75	13,102 88	943,083 33
12				34,499 52	3,677 55	5,000 00			592,811 21
13	7,358 98	50,000 00	4,746 25	180,955 24		16,133 72		11,301 71	1,077,866 84
14	58,561 00	29,858 56	54,338 00	19,579 75		2,400 00			415,291 48
15		10,780 43	5,422 00	216,103 51		29,554 56	20,930 96	27,822 95	1,941,257 39
16	174,807 91	1,391,889 12	3,421,317 23	727,713 72		98,398 64	140,531 83	20,928 48	8,195,904 88
17		43,434 23	368,884 00	614,272 86		42,356 02		1,618 17	5,863,363 38
18	26,000 00	67,560 00	351,047 23	198,359 75		6,183 58		7,045 70	1,684,313 46
19				260,310 74				7,424 42	352,641 41
20			217,822 24	12,096 91		88,577 16		4,249 87	1,757,183 68
21			24,771 00	91,018 98		1,639 04		14,816 87	414,576 83
22	67,095 20	988,887 78	891,583 99	6,970 93		1,429,123 15		138,352 79	15,078,860 60
23	44,701 38	97,682 09	267,069 61	73,999 29		34,045 17	2,665 73	11,325 70	1,083,869 19
24		35,297 21	139,464 72	281,091 38		93,296 51			6,147,164 77
25	175,822 49	139,170 73	525,422 25	48,831 43		4,599 38			1,643,744 42
26	6,491 91	32,205 46	10,100 50	342,886 35		23,705 59	58,282 94	60,287 79	2,211,417 20
	1,374,917 82	3,966,395 59	9,786,958 32	3,870,728 37	3,677 55	2,225,148 01	255,333 10	453,563 60	64,019,640 84
	1,344,324 40	3,979,857 65	8,945,953 66	3,757,127 07	98,609 27	3,098,400 63	224,771 77	409,051 19	66,091,345 68



## STATEMENT OF ASSETS OF TRUST COMPANIES

Name of Company	Guaranteed											
	Mortgages and Agreements on Real Estate, including Interest		Loans on Stocks and Bonds including Interest		Government and Government Guaranteed Securities United Kingdom and Dominion of Canada including Interest		Provincial and Provincial Guaranteed Bonds including Interest		Canadian Municipals, School Districts and Rural Telephone Debentures including Interest		All other Bonds, including Interest	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
Bankers' Trust Company.....												1
British Mortgage and Turst Corporation of Ontario.....	2,919,541	50			4,883,396	70	408,847	29	50,918	82		2
Brockville Trust and Savings Company.....	1,211,706	21			96,109	77	96,496	25	18,193	09		3
Canada Permanent Trust Company.....	152,621	39			35,086	30	25,828	19				4
Canada Trust Company.....	3,546,783	30	148,698	38	3,050,812	56	199,105	03	11,282	16	15,218	63
Capital Trust Corporation Limited.....	4,742,453	43	1,964	55	1,871,891	42	1,857,445	75				6
Chartered Trust and Executor Company.....	652,053	80	2,235,399	83	5,767,022	16	404,917	94	153,364	27	3,032	65
Crown Trust & Guarantee Co. ....	5,644,326	01	757,710	07	4,577,946	40	854,261	88	377,285	77		8
Eastern Trust Company.....	2,266,142	36	1,020,932	06	3,184,057	78	942,939	22	1,468,798	81	1,674,483	14
Grey and Bruce Trust and Savings Company.....	2,110,280	52			2,648,800	31	1,065,324	18	605,735	03	849,215	71
Guaranty Trust Company.....	828,734	18	449,222	45	1,829,670	37	664,587	48	1,323,373	21	35,478	35
Guelph Trust Company.....	239,144	06			286,484	94	4,979	36				12
Industrial Mortgage and Trust Company.....	1,683,708	62			2,211,037	50	737,018	99	309,824	87	112,639	56
Lambton Trust Company.....												14
London and Western Trust Company Limited.....	2,690,845	34	23,429	42	1,409,461	07					126,851	97
Montreal Trust Company.....	80,113	12	2,309,825	12	17,675,145	82	181,605	57	128,906	47	3,332,468	46
National Trust Co. Ltd.....	3,134,048	78	60,900	00	18,036,224	07	1,196,838	05	209,485	90	683,897	37
Northern Trusts Company.....	20,000	00			142,250	00						18
Ottawa Valley Trust Co.....												19
Premier Trust Company.....	1,167,544	27	1,020,777	56	1,442,059	23						20
Prudential Trust Co. Ltd.....												21
Royal Trust Company.....			220,595	13	5,665,202	72	524,636	44	438,927	58	351,992	45
Sterling Trusts Corporation.....	2,328,419	11			565,270	63	106,863	03	193,659	02	119,958	63
Toronto General Trusts Corporation.....	5,083,895	31	1,158,934	32	10,775,680	44	1,727,922	90	1,522,804	74	171,264	55
Victoria Trust and Savings Company.....	5,125,508	52	10,725	25	2,551,138	17	388,312	65	841,743	58	761,458	73
Waterloo Trust and Savings Company.....	5,499,195	20	189,522	48	12,075,030	08	196,123	45	1,008,653	02	204,959	29
Totals.....	51,127,065	03	9,608,636	62	100779778	44	11,584,053	65	8,662,956	34	8,442,919	49
Totals previous year..	46,464,851	18	8,380,582	20	84,809,375	85	11,415,449	45	6,984,953	75	6,359,358	67

† Includes unrealized assets

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

Funds						Estates, Trusts and Agency Funds					
	Stocks and Accrued Dividends		Cash on Hand and in Banks		Other Assets	Total Guaranteed Funds	Unrealized Assets	Investments †	Cash on Hand and in Banks	Total Estates Trusts and Agency Funds	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	
1								15,840 00	682 17	6,522 17	
2	311,712	50	348,143	98		8,922,560 79	250,567 33	460,527 10	79,959 50	791,053 93	
3			108,008	16		1,530,513 48	1,595,427 25	348,951 13	176,557 34	2,120,935 72	
4			11,382	97		224,918 85	43,624,922 27	20,043,285 19	4,932,609 95	68,600,817 41	
5	601,465	44	369,126	81		7,942,492 31	20,283,170 24	13,408,781 86	2,468,926 03	36,160,878 13	
6			281,408	85		8,755,164 00	5,554,934 46	3,878,572 01	337,493 92	9,771,000 39	
7			221,548	99		9,437,339 64	18,390,770 61	6,904,669 30	1,628,995 11	26,924,435 02	
8	390,709	04	305,528	59		12,907,767 76	48,336,209 15	23,412,928 26	4,396,932 96	76,146,070 37	
9			99,636	43		10,656,989 80	4,551,536 31	69,690,190 92	1,357,620 35	75,599,347 58	
10	442,531	25	521,736	13		8,243,623 13	1,637,459 52	527,995 12	411,999 11	2,577,453 75	
11			551,976	24		5,683,042 28	19,833,133 04	844,186 56	1,000,210 97	21,677,530 57	
12			28,558	24		559,166 60	2,440,377 92	3,943,311 09	610,826 65	6,991,515 66	
13	303,589	56	182,199	91		5,540,019 01	593,096 34	266,428 72	81,295 15	940,820 21	
14							830,008 90	652,780 06	191,389 90	1,674,178 86	
15	168,286	40	133,060	80		4,551,935 00		145,803,398 74	3,529,280 22	49,332,678 96	
16	346,061	62	2,136,241	75		26,190,367 93		1879,598,614 07	52,686,411 03	932,285,025 10	
17	1,467,870	70	1,053,159	49		25,842,424 36	131,007,576 71	158,840,825 44	15,532,083 14	305,380,485 29	
18			238	48		162,488 48	9,175,167 43	5,201,450 26	614,120 27	14,990,737 96	
19							1,863,397 59			1,863,397 59	
20			82,066	94		3,712,448 00	4,991,655 09	1,667,010 04	345,561 89	7,004,227 02	
21								5,027,930 90	273,556 69	5,301,487 59	
22			2,378	36	35,682 52	7,239,415 20		1841,513,952 89	37,307,238 08	878,821,190 97	
23	102,419	75	123,124	02		3,539,714 19		16,197,110 27	434,579 57	6,631,689 84	
24	131,068	41	1,040,149	39		21,611,720 06	158,496,459 73	99,246,312 57	10,959,555 04	268,702,327 34	
25	348,620	86	322,753	41		10,350,261 17	1,514,265 58	558,807 84	260,491 35	2,333,564 77	
26	173,912	54	1,429,716	72		20,777,112 78	5,402,942 68	5,214,840 37	783,695 87	11,401,478 92	
	4,788,248	07	9,352,144	66	35,682 52	204,381,484 82	480,373,078 15	2,193,258,700 71	140,402,072 26	2,814,033,851 12	
	4,097,494	54	7,738,006	02	34,832 52	176,284,904 18	444,492,915 98	2,176,337,746 97	132,646,195 10	2,753,476,858 05	

**STATEMENT OF LIABILITIES OF TRUST COMPANIES REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946**

**Company Funds**

Name of Company	To the Public					To Shareholders			
	Money Borrowed including Interest	Investment Reserves	Dividends Unpaid	Other Liabilities	Total Liabilities to Public	Paid-in Capital	Reserve Fund and Contingency Reserve	Balance of Profit and Loss Account	Total Liabilities to Shareholders
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Bankers' Trust Company		12,799 75		6,369 00	19,168 75	250,000 00	50,000 00	21,184 59	321,184 59
British Mortgage and Trust Corporation of Ontario			40,000 00	52,917 91	92,917 91	1,000,000 00	850,000 00	78,371 25	1,928,371 25
Brockville Trust and Savings Company	34,452 28	46,174 95	10,000 27	18,448 45	109,375 93	500,000 00	227,000 00	16,991 76	743,991 76
Canada Permanent Trust Company		79,149 22	15,000 00	22,772 00	116,921 22	1,000,000 00	500,000 00	82,468 95	1,582,468 95
Canada Trust Company			30,000 00	22,694 00	52,694 00	1,000,000 00	700,000 00	41,506 26	1,741,506 26
Capital Trust Corporation, Limited			35,455 01	50,116 26	85,571 27	886,375 33	375,000 00	11,650 75	1,273,026 08
Chartered Trust and Executor Company		100,079 11	12,500 00	130,933 65	243,512 76	1,000,000 00	750,000 00	95,091 78	1,845,091 78
Crown Trust & Guarantee Co.			25,334 00	96,258 37	121,592 37	1,267,500 00	500,000 00	41,128 66	1,808,628 66
Eastern Trust Company		71,989 97	20,000 00	88,695 76	180,685 73	1,000,000 00	500,000 00	37,647 34	1,537,647 34
Grey and Bruce Trust and Savings Company		133,332 32		2,743 34	136,075 66	544,700 00	131,458 50		676,158 50
Guaranty Trust Company of Canada			6,250 00	9,962 02	16,212 02	500,000 00	410,389 30	16,482 01	926,871 31
Guelph Trust Company			7,562 52	16,518 31	24,080 83	302,500 49	200,000 00	66,229 89	568,730 38
Industrial Mortgage and Trust Company		10,000 00	25,400 00	8,026 09	33,426 09	635,000 00	350,000 00	59,440 75	1,044,440 75
Lambton Trust Company				5,263 63	15,263 63	315,350 00	50,000 00	34,677 85	100,027 85
London and Western Trusts Company, Limited				203,955 65	203,955 65	1,213,700 00	100,000 00	123,601 74	1,737,301 74
Montreal Trust Company	62,612 06		80,000 00	1,463,050 80	1,605,692 86	2,000,000 00	4,000,000 00	590,212 02	6,590,212 02
National Trust Company, Limited			67,500 00	198,289 17	265,789 17	3,000,000 00	2,000,000 00	597,574 21	5,597,574 21
Northern Trusts Company		71,897 73		28,612 80	100,510 53	1,000,000 00	400,000 00	183,802 93	1,583,802 93
Ottawa Valley Trust Co.				61,375 70	61,375 70	289,060 00		2,205 71	291,265 71
Premier Trust Company	300,000 00	170,000 00		14,043 87	484,043 87	1,232,875 00		40,264 81	1,273,139 81
Prudential Trust Company, Limited				12,382 03	12,382 03	175,270 00		226,924 80	402,194 80
Royal Trust Company	6,510,330 00		60,000 00	315,522 32	6,915,852 32	2,000,000 00	5,000,000 00	1,163,008 28	8,163,008 28
Sterling Trusts Corporation		20,590 01	24,608 03	24,608 03	45,198 04	824,100 00	200,000 00	14,571 15	1,038,671 15
Toronto General Trusts Corporation		705,000 00	75,000 00	90,487 53	870,487 53	3,000,000 00	2,000,000 00	276,677 24	5,276,677 24
Victoria Trust and Savings Company		100,000 00	13,875 00	55,316 33	169,191 33	925,000 00	500,000 00	49,553 09	1,474,553 09
Waterloo Trusts and Savings Company			30,862 50	53,820 32	84,682 82	1,500,000 00	525,000 00	101,734 38	2,126,734 38
Totals	6,937,424 32	1,500,423 05	575,329 31	3,053,183 34	12,066,360 02	27,361,430 82	20,618,847 80	3,973,002 20	51,953,280 82
Totals previous year	10,484,551 86	1,860,601 88	468,520 56	2,393,521 23	15,207,195 53	27,455,524 61	19,736,325 80	3,692,299 71	50,884,150 15

Name of Company	Guaranteed Funds						Estates, Trusts and Agency Funds							
	Trust Deposits		Specific Guaranteed Receipts, including Interest		General Guaranteed Investment Receipts, including Interest		Due to Company Funds		Total Guaranteed Funds		Estates +	Trusts and Agencies	Due to Company Funds	Total Estates Trusts and Agency Funds
	\$	¢	\$	¢	\$ U	¢	\$	¢	\$	¢				
Bankers' Trust Company														
British Mortgage and Trust Corporation of Ontario	4,764,330 17				4,158,230 62					8,922,560 79		195,757 35		6,522 17
Brockville Trust and Savings Company	948,671 53				581,841 95					1,530,513 48		1,327,345 32	636 06	791,053 93
Canada Permanent Trust Company			169,460 46		55,458 39					224,918 85		168,600 81 7	1,500 00	2,120,935 72
Canada Trust Company	4,535,667 53		162,000 00		3,244,824 78					7,942,492 31		136,065,548 13	95,330 00	68,600,878 41
Capital Trust Corporation, Limited	4,360,555 55		4,394,608 45							8,755,164 00		49,770,585 50	414 89	36,160,878 13
Chartered Trust and Executor Company	8,292,770 34		1,045,996 37		98,572 93					9,437,339 64		9,436,084 32	7,955 00	9,771,000 39
Crown Trust & Guarantee Co.	7,236,676 22		1,610,225 87		4,060,865 67					12,907,767 76		52,870,036 75	83,409 72	26,924,435 02
Eastern Trust Company			2,327,428 56		8,329,561 24					10,656,989 80		175,445,875 27	153,472 31	76,146,070 37
Grey and Bruce Trust and Savings Co.	3,903,479 87				4,340,143 26					8,243,623 13		1,899,593 32	4,917 51	75,599,347 58
Guaranty Trust Company of Canada	3,705,570 16				1,977,472 12					5,683,042 28		5,405,611 93	2,500 00	21,677,530 57
Guelph Trust Company			8,538 62		546,950 43			3,677 55		559,166 60		3,911,506 21	5,000 00	6,994,515 66
Industrial Mortgage and Trust Company	2,743,223 80				2,796,795 21					5,540,019 01		619,420 06	16,133 72	940,820 21
Lambton Trust Company												411,853 46	2,400 00	1,674,178 86
London and Western Trust Co., Limited	57,893 42		729,845 85		3,762,086 09		\$2,109 64			4,551,935 00		17,358,995 71	29,554 56	49,332,678 96
Montreal Trust Company			79,662 13		26,110,705 80					26,190,367 93		408,454,985 61	98,398 64	932,285,025 10
National Trust Company, Limited	25,490,617 69				351,806 67					25,842,424 36		1305,338,129 27	12,356 02	305,380,485 29
Northern Trusts Company			162,488 48							162,488 48		144,981,554 38	6,183 58	14,990,737 96
Ottawa Valley Trust Co.												1,863,397 59		1,863,397 59
Premier Trust Company	2,284,054 47				1,428,393 53					3,712,448 00		16,915,649 86	88,577 16	7,004,227 02
Prudential Trust Company, Limited												15,299,848 55	1,639 04	5,301,487 59
Royal Trust Company	35,682 52		337,416 00		6,866,316 68					7,239,415 20		187,392,067 82	1,429,123 15	878,821,190 97
Sterling Trusts Corporation	978,325 82				2,561,388 37					3,539,714 19		16,597,644 67	34,045 17	6,631,689 81
Toronto General Trusts Corporation	12,188,337 61		139,965 78		9,283,416 61					21,611,720 06		1268,609,030 83	93,296 51	268,702,327 34
Victoria Trust and Savings Company	3,157,264 18				7,192,996 99					10,350,261 17		1,406,657 19	1,599 38	2,333,564 77
Waterloo Trust and Savings Company	14,618,160 58				6,158,952 20					20,777,112 78		5,479,447 03	23,705 59	11,401,478 92
Totals	99,301,281 49	11,167,636 57			93,906,779 57		5,787 19		204,381,484 82	2,185,996,965 71		625,811,737 40	2,225,148 01	2,814,033,851 12
Totals previous year	81,968,126 80	12,448,979 77			81,631,000 56		236,797 05		176,284,904 18	2,140,849,901 87		609,528,555 55	3,008,400 63	2,753,476,855 05

Includes Trusts and Agencies.

\*Taxes paid in advance.



## REVENUE ACCOUNT OF TRUST COMPANIES

## Income

Name of Company	Interest and Dividends earned				
	Rents Earned	On Mort- gages and Agree- ments for Sale	On Collateral Loans	On Bonds and Debentures	Dividends on Stocks
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Bankers' Trust Company.....		12,022 05	220 74	2,280 00	273 16 1
British Mortgage and Trust Corporation of Ontario.....		38,722 34		3,210 40	52,100 90 2
Brockville Trust and Savings Company.....		30,650 83	92 69	7,437 06	1,674 00 3
Canada Permanent Trust Company.....		27,348 68	727 92	21,203 39	17,586 00 4
Canada Trust Company.....		69,823 36	40 74	12,413 89	4,500 00 5
Capital Trust Corporation, Limited.....	1,185 15	14,125 51	3,348 73	22,276 31	2,430 48 6
Chartered Trust and Executor Company.....	10,724 93	3,800 58	6,554 30	28,311 36	14,000 69 7
Crown Trust & Guarantee, Co.....		26,952 94	2,808 11	24,564 00	18,637 75 8
Eastern Trust Company.....	774 92	28,759 02	4,033 95	35,016 87	6,450 19 9
Grey and Bruce Trust and Savings Company.....		12,319 93	3,299 84	3,785 19	15,485 35 10
Guaranty Trust Company of Canada.....	3,009 78		2,072 02	34,025 34	..... 11
Guelph Trust Company.....		15,473 20		11,521 66	..... 12
Industrial Mortgage and Trust Company.....		47,323 85	3,842 74	4,883 08	270 00 13
Lambton Trust Company.....		8,615 95		6,260 92	3,976 25 14
London and Western Trusts Co., Limited.....		42,356 00	2,285 20	19,931 21	677 50 15
Montreal Trust Company.....	3,393 50	16,005 31	68,793 05	114,594 59	132,585 93 16
National Trust Company, Limited.....		104,100 42	1,309 81	101,905 40	14,560 00 17
Northrn Trust Company.....		37,455 22	50 00	20,020 76	15,307 20 18
Ottawa Valley Trust Co.....		37 50		169 87	..... 19
Premier Trust Company.....		11,476 98		22,909 37	9,102 87 20
Prudential Trust Company, Limited.....	3,230 55	348 06		6,304 52	370 00 21
Royal Trust Company.....		71,499 83	153,861 34	260,723 45	76,931 30 22
Sterling Trusts Corporation.....	*2,270 17	12,604 84	622 50	11,770 08	16,303 90 23
Toronto General Trusts Corporation.....	79,320 72	124,918 14	6,374 55	40,270 19	3,722 02 24
Victoria Trust and Savings Company.....		14,302 73	1,137 95	22,730 78	18,736 00 25
Waterloo Trust and Savings Company.....	1,031 93	11,177 62	4,418 57	22,623 45	724 00 26
Totals.....	100,401 31	782,220 89	265,894 75	861,143 14	426,405 49
Totals previous year.....	101,906 39	846,779 91	234,701 90	792,855 30	391,923 01

\*Deficit



## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Income

	On Bank Deposits	Other Interest	Profit on Sale of Securities and Real Estate	Amount Assets Written Up	Profit in Guaranteed Funds	Agency Fees and Commissions Earned	Other Revenue for the year	Totals
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1						10,311 42		25,107 37
2	215 49	33 40	2,283 04		115,489 42	10,666 64	11,865 48	234,587 11
3		133 51	1,827 82		38,590 18	14,670 90	792 05	95,869 04
4	650 07	41 53	7,178 05		3,428 35	356,362 99	29,474 19	464,001 17
5	114 54	7,295 95	9 15		103,523 05	288,533 78	24,426 17	510,680 63
6		5,093 94	13,201 76		147,971 22	98,925 67	6,396 52	314,955 29
7	211 72	827 57	95,511 57		89,958 81	701,234 00	1,175 82	952,311 35
8		3,784 90			191,332 16	530,840 26	14,384 90	813,305 02
9		2,476 81	8,255 32		123,323 19	342,745 25	5,640 10	557,475 62
10			8,057 36		100,216 63	19,310 15	5,515 87	167,990 32
11			40,682 38		66,540 40	99,017 44	9,714 95	255,062 31
12	4 00	29 68	76 23		3,273 07	33,194 67	2,311 78	65,884 29
13	1,442 14	1,105 90	5,037 84		93,029 30	7,306 31	1,097 85	165,339 01
14						17,632 03		36,485 15
15		159 20	304 75		44,677 25	316,667 09	4,744 86	431,803 06
16	37,978 98	6,218 12	168,143 65		345,194 56	980,459 23		1,873,366 92
17	3,545 17	3,373 11			511,080 85	1,598,850 55	28,287 22	2,367,012 53
18	723 88	720 52	3,995 56		*281 88	101,303 66	63,866 41	243,161 33
19	1,409 77					125 50		1,742 64
20		4,394 28	30,990 98		74,149 89	98,836 52	6,819 61	258,680 50
21		6 28	16,655 39			147,012 72	2,979 58	176,907 10
22					91,494 55	2,775,461 57	40,343 09	3,470,315 13
23		71 68	27,640 93		65,695 14	94,366 15	1,947 01	228,752 06
24		25,483 84	134,822 39		291,570 21	1,159,356 66	31,091 75	1,896,930 47
25			28,382 89		200,146 84	12,477 65	4,383 69	302,298 53
26	6,829 62	1,108 05	18,367 50		265,813 42	84,308 90	8,530 20	424,933 26
	53,125 38	62,358 27	611,424 56		2,966,216 61	9,899,977 71	305,789 10	16,334,957 21
	41,443 60	123,318 68	527,028 19	1,200 00	2,719,866 02	8,618,005 00	539,376 25	14,938,404 25

## REVENUE ACCOUNT OF TRUST COMPANIES

## Expenditure

Name of Company	Interest Incurred	Loss on sale of securities and real estate owned absolutely by the Corporation	Amount by which ledger values of assets were written down	License Fees taxes	
				Dominion	
	1	2	3	4	
	\$ c.	\$ c.	\$ c.	\$ c.	
Bankers' Trust Company.....				9,702 62	1
British Mortgage and Trust Corporation of Ontario.....				28,000 00	2
Brockville Trust and Savings Company.....	252 35			23,622 70	3
Canada Permanent Trust Company.....			5,277 15	37,100 10	4
Canada Trust Company.....				27,227 45	5
Capital Trust Corporation, Limited.....		4,658 34	2,024 42	35,355 85	6
Chartered Trust and Executor Company.....	117 48	17,649 44	15,259 07	77,203 09	7
Crown Trust & Guarantee Co.....		14,269 32		25,000 00	8
Eastern Trust Company.....			28,365 33	60,000 00	9
Grey and Bruce Trust and Savings Company.....	613 96			14,000 00	10
Guaranty Trust Company of Canada.....	1,046 63			18,748 43	11
Guelph Trust Company.....				16,759 00	12
Industrial Mortgage and Trust Company.....	349 29			36,000 00	13
Lambton Trust Company.....		836 50		9,500 00	14
London and Western Trusts Co., Limited.....				28,000 00	15
Montreal Trust Company.....	14,911 16			271,332 71	16
National Trust Company, Limited.....				219,116 23	17
Northern Trusts Company.....				48,000 00	18
Ottawa Valley Trust Co.....					19
Premier Trust Company.....	9,849 95			31,895 55	20
Prudential Trust Company, Limited.....			2,356 89	185 36	21
Royal Trust Company.....	18,658 34			270,000 00	22
Sterling Trusts Corporation.....		4,999 49	5,678 90	23,528 88	23
Toronto General Trusts Corporation.....	*27,500 00	10,204 99	57,335 30	113,756 94	24
Victoria Trust and Savings Company.....	6,857 53	31,029 74		33,000 00	25
Waterloo Trust and Savings Company.....	1,289 70	181 76	10,000 00	45,000 00	26
Totals.....	81,446 39	83,829 58	126,297 06	1,502,034 91	
Totals previous year.....	57,117 31	219,247 74	189,079 89	1,441,300 68	

\*Transferred to Pension Fund.

†Deficit.

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Expenditure

and Taxes other than on real estate		Commission on Loans and on Sale of Real Estate	Amount Transferred to Investment Reserves	All Other Expenses Incurred	Net Profit	Totals
Provincial	Municipal					
5	6	7	8	9	10	11
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	351 89			225 76	14,827 10	25,107 37
2	305 00	555 00	772 50	81,207 74	97,681 26	234,587 11
3	694 00	370 00	2,341 10	33,770 74	34,818 15	95,869 04
4	1,068 20	7,129 47		332,824 33	80,601 92	464,001 17
5	2,812 46	2,731 88		396,037 57	66,871 27	510,680 63
6	697 67	3,275 24	8,337 34	192,551 33	68,055 10	314,955 29
7	895 27	6,280 60	91,637 61	562,990 43	101,924 34	952,311 35
8	1,086 13	6,596 23		647,599 20	118,754 14	813,305 02
9	15,146 97	4,292 90		360,844 32	88,826 10	557,475 62
10	255 00	504 40	5,723 90	90,442 39	48,606 10	167,990 32
11	688 73	2,162 93	828 75	157,370 87	71,852 10	255,062 31
12	255 00	225 10		17,452 06	31,193 13	65,884 29
13	1,281 22	639 09	938 05	63,565 12	62,566 24	165,339 01
14	232 50			8,701 96	17,214 19	36,485 15
15		4,143 53		337,991 80	61,667 73	431,803 06
16	1,632 54	6,905 93		879,275 75	406,165 18	1,873,366 92
17	2,141 00	15,941 47	27 50	1,793,445 32	336,341 01	2,367,012 53
18	786 60	1,776 25		107,251 20	85,347 28	243,161 33
19		35 36		9,181 15	† 7,473 87	1,742 64
20	326 00	2,776 44		159,590 99	44,241 57	258,680 50
21	747 92	942 42		127,419 88	45,254 63	176,907 10
22	2,528 37	21,400 43		2,718,166 99	439,561 00	3,470,315 13
23	1,487 93	932 19		116,853 08	75,271 59	228,752 06
24	1,522 21	19,720 85		1,331,212 09	335,678 09	1,896,930 47
25	310 00		1,755 50	103,373 79	61,362 76	302,298 53
26	326 25	1,828 57	5,948 43	257,845 77	102,512 78	424,933 26
37,578 86		111,166 28	118,310 68	10,887,191 63	2,889,720 89	16,334,957 21
32,461 78		104,413 05	67,604 05	9,627,718 90	2,745,775 17	14,938,404 25

# PROFIT AND LOSS ACCOUNT OF TRUST COMPANIES

Name of Company	Balance at January 1st, 1946	Net Profit	Transferred from Reserve Fund and Contingency Reserve	Premium on Capital Stock	
	1	2	3	4	
	\$ c.	\$ c.	\$ c.	\$ c.	
Bankers' Trust Company.....	18,857 49	14,827 10			1
British Mortgage and Trust Corporation of Ontario.....	60,689 99	97,681 26			2
Brockville Trust and Savings Company.....	25,905 19	34,818 15	11,654 16		3
Canada Permanent Trust Company.....	61,867 03	80,601 92			4
Canada Trust Company.....	34,634 99	66,871 27			5
Capital Trust Corporation, Limited.....	10,030 05	68,055 10			6
Chartered Trust and Executor Company.....	129,167 44	101,924 34			7
Crown Trust & Guarantee Co.....	73,040 52	118,754 14			8
Eastern Trust Company.....	28,821 24	88,826 10			9
Grey and Bruce Trust and Savings Company.....		48,606 10			10
Guaranty Trust Company of Canada.....	11,607 57	71,852 10	23,700 12	xx15,617 50	11
Guelph Trust Company.....	50,161 80	31,193 13			12
Industrial Mortgage and Trust Company.....	53,149 51	62,566 24			13
Lambton Trust Company.....	30,077 66	17,214 19			14
London and Western Trusts Co., Limited.....	86,208 01	61,667 73			15
Montreal Trust Company.....	514,046 84	406,165 18			16
National Trust Company, Limited.....	531,233 20	336,341 01			17
Northern Trusts Company.....	288,455 65	85,347 28			18
Ottawa Valley Trust Co.....		*7,473 87		19,010 00	19
Premier Trust Company.....	20,666 53	44,241 57		12 41	20
Prudential Trust Company, Limited.....	190,433 67	45,254 63			21
Royal Trust Company.....	1,137,197 28	439,561 00	500,000 00		22
Sterling Trusts Corporation.....	26,201 40	75,271 59			23
Toronto General Trusts Corporation.....	150,999 15	335,678 09			24
Victoria Trust and Savings Company.....	36,752 83	61,362 76			25
Waterloo Trust and Savings Company.....	55,084 10	102,512 78		125,000 00	26
Totals.....	3,625,289 14	2,889,720 89	535,354 28	159,639 91	
Totals previous year.....	4,384,990 69	2,745,775 17	530,000 00	36,716 06	

\* Deficit.

† Transfer to Retirement Fund.

xx Capital appreciation on Assets Purchased.

†† Expense and Commission re: Sale of Capital Stock.

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

	Amount transferred from Invest- ment Re- serves	Totals	Dividends declared including Bonuses	Transferred to Reserve Fund, and Contingency Fund.	Other Charges	Balance as at 31st, December, 1946	Totals
	5	6	7	8	9	10	11
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1		33,684 59	12,500 00			21,184 59	33,684 59
2		158,371 25	80,000 00			78,371 25	158,371 25
3		72,377 50	28,750 00	25,000 00	†1,635 74	16,991 76	72,377 50
4		142,468 95	60,000 00			82,468 95	142,468 95
5		101,506 26	60,000 00			41,506 26	101,506 26
6		78,085 15	35,455 01	20,000 00	†10,979 39	11,650 75	78,085 15
7	164,000 00	395,091 78	50,000 00	250,000 00		95,091 78	395,091 78
8		191,794 66	50,666 00	100,000 00		41,128 66	191,794 66
9	100,000 00	217,647 34	80,000 00	100,000 00		37,647 34	217,647 34
10		48,606 10	38,129 00	10,477 10			48,606 10
11		122,777 29	23,530 00	80,000 00	†2,765 28	16,482 01	122,777 29
12		81,354 93	15,125 04			66,229 89	81,354 93
13	85,000 00	200,715 75	41,275 00	100,000 00		59,440 75	200,715 75
14		47,291 85	12,614 00			34,677 85	47,291 85
15		147,875 74	24,274 00			123,601 74	147,875 74
16		920,212 02	320,000 00		†10,000 00	590,212 02	920,212 02
17		867,574 21	270,000 00			597,574 21	867,574 21
18		373,802 93	40,000 00	150,000 00		183,802 93	373,802 93
19		11,536 13			††9,330 42	2,205 71	11,536 13
20		64,920 51	24,655 70			40,264 81	64,920 51
21		235,688 30	8,763 50			226,924 80	235,688 30
22		2,076,758 28	380,000 00	500,000 00	†33,750 00	1,163,008 28	2,076,758 28
23		101,472 99	36,901 84	50,000 00		14,571 15	101,472 99
24		486,677 24	210,000 00			276,677 24	486,677 24
25	285,000 00	383,115 59	48,562 50	285,000 00		49,553 09	383,115 59
26		282,596 88	55,862 50	125,000 00		101,734 38	282,596 88
	634,000 00	7,844,004 22	2,007,064 09	1,795,477 10	68,460 83	3,973,002 20	7,844,004 22
	1,199,840 89	8,897,322 91	1,875,792 57	3,085,165 50	244,065 13	3,692,299 71	8,897,322 91



## STATEMENT OF GUARANTEED FUND REVENUE OF TRUST COMPANIES

## Income

Name of Company	Interest and Dividends Earned					Other Interest Earned
	On Mortgages on Real Estate	On Collateral Loans	On Bonds and Debentures	On Stocks	On Bank Deposits	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Bankers' Trust Company.....						1
British Mortgage and Trust Corporation of Ontario.....	121,994 50		148,882 39	40,984 22	1,278 45	2
Brockville Trust and Savings Co....	56,998 26		9,568 60			3
Canada Permanent Trust Company.....	12,671 06		1,997 82		11 84	4
Canada Trust Company.....	166,196 22	5,716 26	105,295 60	21,998 05	536 10	5
Capital Trust Corporation, Limited.....	237,238 76		112,154 88			6
Chartered Trust and Executor Co....	32,474 66	43,877 98	136,529 96		387 64	7
Crown Trust & Guarantee Co.....	250,294 31	19,373 14	150,184 58	15,868 59		8
Eastern Trust Company.....	87,143 68	14,276 34	273,821 56			9
Grey and Bruce Trust and Savings Company.....	85,966 42		155,840 68	13,832 37	2,344 31	10
Guaranty Trust Co. of Canada.....	42,144 04	20,926 10	106,265 28		762 57	11
Guelph Trust Company.....	14,159 58		7,102 11		2 92	12
Industrial Mortgage and Trust Co....	98,294 28		107,319 89	11,540 33		13
Lambton Trust Company.....						14
London and Western Trusts Co., Limited.....	111,645 35	1,935 32	49,272 33	5,075 56	968 81	15
Montreal Trust Company.....	3,213 43	90,958 06	595,001 58	29,068 61	30,408 33	16
National Trust Company, Limited.....	228,628 83	5,112 58	614,724 08	35,455 25		17
Northern Trusts Company.....	1,156 73		4,557 04			18
Ottawa Valley Trust Co.....						19
Premier Trust Company.....	63,637 36	33,021 97	53,945 25			20
Prudential Trust Company, Ltd.....						21
Royal Trust Company.....		10,525 69	180,850 24			22
Sterling Trusts Corporation.....	125,274 32		29,580 86	1,305 33		23
Toronto General Trusts Corporation.....	347,054 49	34,855 23	402,379 90	4,202 12		24
Victoria Trust and Savings Co.....	252,881 24	5,505 29	137,836 91	18,172 63		25
Waterloo Trust and Savings Co.....	257,166 16	5,268 75	389,930 43	10,110 64		26
Totals.....	2,596,233 68	291,352 71	3,773,041 97	207,613 70	36,700 97	
Totals previous year.....	2,625,916 47	292,026 55	3,242,642 85	193,714 89	28,849 30	

\* Deficit

## REGISTERED IN ONTARIO AS AT DECEMBER 31st, 1946

## Expenditure

	Profit on Sale of Securities		Other Revenue		Total Guaranteed Fund Income		Interest Incurred on		Loss on Sale of Securities	Other Expenses Incurred	Profit Transferred to Company Funds	Total				
							Guaranteed Investment Receipts	Deposits								
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.		
1																
2	7,733	18			320,872	74	129,880	11	75,503	21		115,489	42	320,872	74	
3					66,566	86	12,209	57	14,878	14	888	97	38,590	18	66,566	86
4					14,680	72	11,252	37					3,428	35	14,680	72
5					299,742	23	108,745	39	83,143	84	4,329	95	103,523	05	299,742	23
6					349,393	64	132,860	26	68,562	16			147,971	22	349,393	64
7	491	89			213,762	13	11,802	77	108,991	31	3,009	24	89,958	81	213,762	13
8	37,403	53	3,274	90	476,399	05	190,386	16	88,115	26	6,565	47	191,332	16	476,399	05
9					375,241	58	251,918	39					123,323	19	375,241	58
10	15,422	89	10,214	66	283,621	33	132,488	14	50,916	56			100,216	63	283,621	33
11	4,366	06	691	85	175,155	90	61,053	45	47,541	19	12	50	8	36	175,155	90
12					21,264	61	17,991	54					3,273	07	21,264	61
13	11,902	13			229,056	63	92,728	64	43,298	69			93,029	30	229,056	63
14																
15	12,087	08			180,984	45	119,320	82			16,986	38	44,677	25	180,984	45
16					748,650	01	403,363	35	81	60	10	50	345,194	56	748,650	01
17			9,378	22	893,298	96	14,667	79	356,170	70	11,379	62	511,080	85	893,298	96
18					5,713	77	5,995	65					*281	88	5,713	77
19																
20	2,979	21	623	99	154,207	78	44,637	35	33,683	21	1,737	33	74,149	89	154,207	78
21																
22					191,375	93	66,779	91	31,901	47	1,200	00	91,494	55	191,375	93
23	6,053	19	1,875	87	164,089	57	82,448	01	12,014	40	3,932	02	65,695	14	164,089	57
24					788,491	74	303,155	80	186,606	74	7,158	99	291,570	21	788,491	74
25	67,012	22			481,408	29	228,568	08	52,693	37			200,146	84	481,408	29
26	5,984	85			668,460	83	175,904	03	226,533	68	209	70	265,813	42	668,460	83
	171,436	23	26,059	49	7,102,438	75	2,598,157	58	1,448,652	46	32,884	54	56,527	56	7,102,438	75
	132,983	03	29,096	06	6,545,229	15	2,430,082	35	1,289,148	43	35,799	45	70,332	90	6,545,229	15



---

---

## Miscellaneous Statements and Summaries

1. MORTGAGES AND AGREEMENTS ON REAL ESTATE CLASSIFIED AS TO PROVINCES.
    - A. LOAN CORPORATIONS.
    - B. TRUST COMPANIES—COMPANY FUNDS.
    - C. TRUST COMPANIES—GUARANTEED FUNDS.
  2. COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES OF
    - A. LOAN CORPORATIONS.
    - B. TRUST COMPANIES—COMPANY FUNDS.
    - C. TRUST COMPANIES—GUARANTEED FUNDS.
  3. COMPARATIVE SUMMARY OF INCOME AND EXPENDITURES OF LOAN AND TRUST CORPORATIONS.
- 
-

**MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE****Loan**

Name of Corporation		Western Provinces			
		British Columbia	Alberta	Saskat- chewan	Manitoba
(a) Farms	(b) Urban				
		\$ c.	\$ c.	\$ c.	\$ c.
(a) Canada Permanent Mortgage Corporation.....		91,476 15	665,533 74	1,297,075 97	1,066,752 19
(b) Canada Permanent Mortgage Corporation.....		2,579,251 37	223,238 73	346,512 29	818,625 26
(a) Central Canada Loan and Savings Company.....			3,615 46		3,671 53
(b) Central Canada Loan and Savings Company.....					
(a) Credit Foncier Franco-Canadien.....			927,292 73	1,786,826 08	81,731 72
(b) Credit Foncier Franco-Canadien.....		3,543,180 09	659,116 46	634,884 89	7,539,428 26
(a) Guelph and Ontario Investment and Savings Society.....			95,319 19	109,005 44	4,049 39
(b) Guelph and Ontario Investment and Savings Society.....				21,708 00	
(a) Huron and Erie Mortgage Corporation.....			1,282,268 95	4,379,550 15	735,042 88
(b) Huron and Erie Mortgage Corporation.....		833,600 70	62,145 93	83,736 77	205,451 23
(a) Lambton Loan and Investment Company.....					
(b) Lambton Loan and Investment Company.....					
(a) Midland Loan and Savings Company.....					
(b) Midland Loan and Savings Company.....					
(a) Ontario Loan and Debenture Company.....				242,279 05	50,703 42
(b) Ontario Loan and Debenture Company.....		918,390 23	370,616 67	51,589 70	70,705 68
(b) Peterborough Workingmen's Building Savings Society.....					
(a) Provident Investment Company.....					
(b) Provident Investment Company.....					
(a) Toronto Mortgage Company.....					
(b) Toronto Mortgage Company.....					
(a) Toronto Savings and Loan Company.....					2,207 19
(b) Toronto Savings and Loan Company.....					
Total (a) Farms.....		91,476 15	2,974,030 07	7,814,736 69	1,944,158 32
Total (b) Urban.....		7,874,422 39	1,315,117 79	1,138,431 65	8,634,210 43
Grand Total.....		7,965,898 54	4,289,147 86	8,953,168 34	10,578,368 75
Total previous year (a) Farms.....		114,360 09	3,654,350 64	10,036,870 62	2,556,493 12
Total previous year (b) Urban.....		6,658,732 67	812,169 22	807,191 61	6,377,049 34
Grand Total previous year.....		6,773,092 76	4,466,519 86	10,844,062 23	8,933,542 46

Interest accrued not taken into totals.

Gross totals reported by companies are shown in this schedule.

Where these totals differ from Balance Sheet figures, the difference is due to special reserves.



## AS AT DECEMBER 31st, 1946 — CLASSIFIED AS TO PROVINCES

## Corporations

		Eastern Provinces					
Totals		Interest due and unpaid	Ontario	Quebec	Maritime	Totals	Interest due and unpaid
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	3,120,838 05	1,952 88	646,570 10		52,666 27	699,236 37	(Cr) 2,912 54
2	3,967,627 65	12,683 82	20,354,053 06	7,686,819 45	3,886,310 76	31,927,183 27	(Cr) 88,063 48
3	7,286 99						
4			54,851 61			54,851 61	
5	2,795,850 53	192,729 02	10,335 83	114,187 62		124,523 45	3,298 09
6	12,376,609 70	103,421 70	2,652,039 28	14,107,667 32		16,759,706 60	72,029 05
7	208,374 02	1,304 57	70,283 40			70,283 40	502 74
8	21,708 00		3,530,415 67			3,530,415 67	1,729 83
9	6,396,861 98	92,780 55	2,151,403 65			2,151,403 65	4,913 87
10	1,184,934 63	1,774 52	10,145,272 80			10,145,272 80	19,950 20
11			1,443,719 59			1,443,719 59	7,729 73
12			1,200,292 70			1,200,292 70	927 50
13			176,283 97			176,283 97	
14			2,453,565 43			2,453,565 43	
15	292,982 47		213,450 90			213,450 90	
16	1,411,302 28		12,308,896 34			12,308,896 34	
17			242,796 75			242,796 75	3,943 98
18							
19			4,643 05			4,643 06	
20							
21			3,466,115 06			3,466,115 06	3,910 87
22	2,207 19		39,279 13			39,279 13	127 44
23			27,496 31			27,496 31	162 35
	12,824,401 23	288,767 02	4,751,326 57	114,187 62	52,666 27	4,918,180 46	13,659 33
	18,962,182 26	117,880 04	56,440,438 07	21,794,486 77	3,886,310 76	82,121,235 60	14,590 30
	31,786,583 49	406,647 06	61,191,764 64	21,908,674 39	3,938,977 03	87,039,416 06	28,249 63
	16,362,074 47	324,196 36	4,295,685 68	125,298 09	39,807 67	4,460,791 44	11,779 02
	14,655,142 84	91,091 31	53,618,647 82	18,974,591 03	2,773,611 64	75,366,850 49	6,640 96
	31,017,217 31	415,287 67	57,914,333 50	19,099,889 12	2,813,419 31	79,827,641 93	18,419 98

# MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE Trust Corporations —

Name of Company		Western Provinces			
		British Columbia	Alberta	Saskat- chewan	Manitoba
(a) Farms	(b) Urban				
		\$ c.	\$ c.	\$ c.	\$ c.
(b) Bankers' Trust Company		7,000 00			
(a) British Mortgage and Trust Corporation					
(b) British Mortgage and Trust Corporation					
(a) Brockville Trust and Savings Company					
(b) Brockville Trust and Savings Company					
(a) Canada Permanent Trust Company			2,656 36		
(b) Canada Permanent Trust Company		2,244 10			872 00
(a) Canada Trust Company			103,963 56	100,202 02	
(b) Canada Trust Company				2,906 55	
(a) Capital Trust Corporation					
(b) Capital Trust Corporation					
(a) Chartered Trust and Executor Company					
(b) Chartered Trust and Executor Company					
(a) Crown Trust & Guarantee Co.			64,040 10	71,962 16	29,606 34
(b) Crown Trust & Guarantee Co.			2,967 08		74,918 74
(a) Eastern Trust Company					
(b) Eastern Trust Company					
(a) Grey and Bruce Trust and Savings Company					
(b) Grey and Bruce Trust and Savings Company					
(a) Guaranty Trust Company					
(b) Guaranty Trust Company of Canada					
(a) Guelph Trust Company				17,361 59	
(b) Guelph Trust Company					
(a) Industrial Mortgage and Trust Company			20,964 48	74,487 25	
(b) Industrial Mortgage and Trust Company					
(a) Lambton Trust Company					
(b) Lambton Trust Company					
(a) London and Western Trusts Company			290 85	40,558 71	15,312 81
(b) London and Western Trusts Company		32,750 00	170,591 17	25,175 00	37,006 47
(a) Montreal Trust Company					
(b) Montreal Trust Company		91,055 00	7,211 28	5,823 83	
(a) National Trust Company			199,895 55	525,540 59	487,024 06
(b) National Trust Company				34,701 95	52,765 58
(a) Northern Trusts Company			98,203 16	159,432 38	48,143 60
(b) Northern Trusts Company			26,535 07	88,484 94	24,343 58
(b) Ottawa Valley Trust Company					
(a) Premier Trust Company			711 50		
(b) Premier Trust Company					
(b) Prudential Trust Company Limited			3,000 00		
(a) Royal Trust Company				96,191 28	
(b) Royal Trust Company		150,801 83	26,304 09	270 00	62,438 75
(a) Sterling Trusts Corporation				82,978 00	
(b) Sterling Trusts Corporation				2,707 59	
(a) Toronto General Trusts Corporation			30,374 95	855,233 71	335,483 44
(b) Toronto General Trusts Corporation		27,597 26		56,889 22	21,969 43
(a) Victoria Trust and Savings Company				323,786 23	
(b) Victoria Trust and Savings Company				8,413 11	
(b) Waterloo Trust and Savings Company					
Totals (a) Farms			521,100 51	2,347,733 92	915,570 25
Totals (b) Urban		311,448 19	236,608 69	225,372 19	274,314 55
Grand Totals		311,448 19	757,709 20	2,573,106 11	1,189,884 80
Totals (a) Farms previous year			822,484 36	2,799,593 59	1,130,735 06
Totals (b) Urban previous year		310,971 69	36,855 92	269,083 21	335,997 77
Grand totals previous year		310,971 69	859,340 28	3,068,676 80	1,466,732 83

Interest accrued not taken into totals. Gross totals reported by companies are shown in this schedule.

• Credit

**AS AT DECEMBER 31st, 1946 — CLASSIFIED AS TO PROVINCES**  
**Company Funds**

	Totals		Interest due and unpaid		Eastern Provinces						Interest due and unpaid	
					Ontario		Quebec		Maritime			
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
1	7,000	00			6,100	00	239,457	85			245,557	85
2					1,100	00					1,100	00
3					43,430	65					43,430	65
4					18,909	57					18,909	57
5					561,247	82					561,247	82
6	2,656	36	40	75	4,300	00		4,897	00		9,197	00
7	3,116	10	3	85	494,780	69		15,145	99		509,926	68
8	204,165	58	1,585	26	82,654	76					82,654	76
9	2,906	55	228	79	395,942	78	530,381	05			926,323	83
10												
11					245,141	57	16,000	00			261,141	57
12												
13					78,889	25					78,889	25
14	165,608	60	3,617	33								
15	77,885	82	49	34	138,642	43					138,642	43
16								12,833	34		12,833	34
17							13,525	00	507,741	29	521,266	29
18					65,237	44					65,237	44
19					95,436	93					95,436	93
20												
21												
22	17,361	59										
23					236,807	02					236,807	02
24	95,451	73			568,863	67					568,863	67
25					113,511	55					113,511	55
26					61,133	69					61,133	69
27					88,361	91					88,361	91
28	56,162	37			7,860	16					7,860	16
29	265,522	64			349,361	58					349,361	58
30												
31	104,090	11			7,944	75	292,978	06			300,922	81
32	1,212,460	20	147,821	43	1,165	55					1,165	55
33	87,467	53	298	65	203,084	42	30,408	95			233,493	37
34	305,779	14	*705	28								
35	139,363	59	*153	60								
36					6,000	00					6,000	00
37	711	50			10,865	00					10,865	00
38					591,650	30					591,650	30
39	3,000	00					2,044	21			2,044	21
40	96,191	28			10,000	00					10,000	00
41	239,814	67	257	85	316,954	29	538,739	31	8,125	54	863,819	14
42	82,978	00	2,108	47								
43	2,707	59			321,241	15					321,241	15
44	1,221,092	10	26,825	89	41,117	74					41,117	74
45	106,455	91	1,309	43	783,970	59	68,251	56			852,222	10
46	323,786	23			27,018	72					27,018	72
47	8,413	11			152,303	21					152,303	21
48					178,160	95	84,150	00			262,310	95
	3,784,404	68	181,293	85	900,226	30		17,730	34		917,956	64
	1,047,743	62	1,994	31	5,408,963	84	1,815,935	94	531,012	82	7,755,912	60
	4,832,148	30	183,288	16	6,309,190	14	1,815,935	94	548,743	16	8,673,869	24
	4,752,813	01	246,175	44	807,184	10	3,000	00	29,329	34	839,513	94
	952,908	59	886	87	5,967,020	32	2,124,554	61	508,545	55	8,600,120	48
	5,705,721	60	247,062	31	6,774,204	42	2,127,554	61	537,874	89	9,439,634	42

Where these totals differ from Balance Sheet figures, the difference is due to special reserves.

## MORTGAGE LOANS AND AGREEMENTS FOR SALE ON REAL ESTATE

## Trust Corporations —

Name of Company		Western Provinces			
		British Columbia	Alberta	Saskat- chewan	Manitoba
(a) Farms	(b) Urban				
		\$ c.	\$ c.	\$ c.	\$ c.
(a) British Mortgage and Trust Corporation.....					1
(b) British Mortgage and Trust Corporation.....					2
(a) Brockville Trust and Savings Company.....					3
(b) Brockville Trust and Savings Company.....					4
(b) Canada Permanent Trust Company.....					5
(a) Canada Trust Company.....					6
(b) Canada Trust Company.....		71,603 39			7
(a) Capital Trust Corporation.....					8
(b) Capital Trust Corporation.....					9
(a) Chartered Trust and Executor Company.....					10
(b) Chartered Trust and Executor Company.....					11
(a) Crown Trust & Guarantee Co.....		128,428 69	101,022 07	24,336 89	51,238 40
(b) Crown Trust & Guarantee Co.....			79,090 63		180,848 95
(a) Eastern Trust Company.....					14
(b) Eastern Trust Company.....					15
(a) Grey and Bruce Trust and Savings Company.....					16
(b) Grey and Bruce Trust and Savings Company.....					17
(a) Guaranty Trust Company of Canada.....					18
(b) Guaranty Trust Company.....					19
(a) Guelph Trust Company.....					20
(b) Guelph Trust Company.....					21
(a) Industrial Mortgage and Trust Company.....			4,544 98	40,312 13	
(b) Industrial Mortgage and Trust Company.....					23
(a) London and Western Trusts Company.....			9,179 52		
(b) London and Western Trusts Company.....		132,164 01			133 47
(b) Montreal Trust Company.....					26
(a) National Trust Company.....			408,692 53	355,575 73	200,045 07
(b) National Trust Company.....			29,761 15	3,540 04	126,182 18
(b) Northern Trusts Company.....			12,874 70	7,125 30	
(a) Premier Trust Company.....			605 09	2,618 29	
(b) Premier Trust Company.....					31
(b) Sterling Trusts Corporation.....					32
(a) Toronto General Trusts Corporation.....			116,026 67	1,248,889 76	145,516 69
(b) Toronto General Trusts Corporation.....		710,380 15	122,499 71	244,278 78	230,739 77
(a) Victoria Trust and Savings Company.....				256,824 37	
(b) Victoria Trust and Savings Company.....				6,750 63	
(a) Waterloo Trust and Savings Company.....				99,435 94	
(b) Waterloo Trust and Savings Company.....					33,714 20
Totals (a) Farms.....		128,428 69	640,070 86	2,027,993 11	396,800 16
Totals (b) Urban.....		914,147 55	244,226 19	261,694 75	571,618 57
Grand Totals.....		1,042,576 24	884,297 05	2,289,687 86	968,418 73
Totals (a) Farms previous year.....		128,428 69	798,566 72	2,383,294 58	687,728 82
Totals (b) Urban previous year.....		953,731 18	232,023 44	380,776 02	549,469 44
Grand Totals previous year.....		1,082,159 87	1,030,590 16	2,764,070 60	1,237,198 26

Interest accrued not taken into totals.

Gross totals reported by companies are shown in this schedule.

Where these totals differ from Balance Sheet figures, the difference is due to special reserves.

\* Credit.



## AS AT DECEMBER 31st, 1946 — CLASSIFIED AS TO PROVINCES

## Guaranteed Funds

				Eastern Provinces									
Totals		Interest due and unpaid		Ontario		Quebec		Maritime		Totals		Interest due and unpaid	
S	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
1				92,603	70					92,603	70		
2				2,886,295	58					2,886,295	58		546 64
3				8,500	00					8,500	00		53 05
4				1,188,513	98					1,188,513	98		*218 20
5				150,691	51					150,691	51		558 85
6				30,283	26					30,283	26		341 20
7	71,603	39	58 29	1,817,828	11	1,583,804	93			3,401,633	04		4,620 95
8				9,576	75					9,576	75		50 29
9				4,524,477	53	167,812	11			4,692,289	64		*3,237 11
10				28,033	34					28,033	34		
11				616,979	17					616,979	17		32 15
12	305,026	05	11,832 76	39,415	80					39,415	80		*6,903 22
13	259,939	58	1,480 89	4,554,699	39	434,395	80			4,989,095	19		3,239 93
14								146,195	23	146,195	23		
15				48,493	25	180,234	35	1,884,335	43	2,113,063	03		22 50
16				225,892	36					225,892	36		925 51
17				1,879,674	41					1,879,674	41		970 04
18													
19				824,387	44					824,387	44		643 59
20				1,000	00					1,000	00		
21				235,486	94					235,486	94		154 92
22	44,857	11		922,239	93					922,239	93		3,404 88
23				763,647	72					763,647	72		847 55
24	9,179	52	160 25	87,247	48					87,247	48		*43 90
25	132,297	48		2,458,246	56					2,458,246	56		5,876 64
26						79,662	13			79,662	13		
27	964,313	33	29,358 08	12,100	00					12,100	00		
28	159,483	37	119 43	1,939,763	41	383,383	20			2,323,146	61		2,455 95
29	20,000	00	34 25										
30	3,223	38	1,478 52	454,061	66					454,061	66		335 69
31				695,668	23					695,668	23		681 81
32				2,305,476	75					2,305,476	75		668 83
33	1,510,433	12	83,902 57	66,382	43					66,382	43		102 50
34	1,307,898	41	305 40	2,245,792	97	112,255	00			2,358,047	97		*507 26
35	256,824	37		384,093	07					384,093	07		2,620 48
36	6,750	63		4,418,029	94					4,418,029	94		10,354 01
37	99,435	94		159,277	21					159,277	21		480 82
38	33,714	20	282 15	4,920,839	12	240,676	98			5,161,516	10		5,030 83
3,192,292 82		126,732 18		2,428,103 29				146,195 23		2,574,298 52		1,367 30	
1,991,687 06		2,280 41		38,567,595 71		3,182,224 50		1,884,335 43		43,634,155 64		32,742 62	
5,184,979 88		129,012 59		40,995,699 00		3,182,224 50		2,030,530 66		46,208,454 16		34,109 92	
3,998,018 81		189,776 06		2,384,194 56				100,492 83		2,484,687 39		9,600 98	
2,116,000 08		17,081 63		34,044,641 20		3,013,028 90		1,169,487 54		38,227,157 64		47,940 65	
6,114,018 89		206,857 69		36,428,835 76		3,013,028 90		1,269,980 37		40,711,845 03		57,541 63	



## COMPARATIVE SUMMARY OF ASSETS AND

Assets and Liabilities	1941			1942		
	Amount		Percentage to Total Assets	Amount		Percentage to Total Assets
ASSETS						
	\$	c.	%	\$	c.	%
Office premises.....	6,280,526	63	3.18	6,095,920	00	3.13
Real Estate held for sale.....	10,989,303	46	5.55	9,616,752	12	4.94
Mortgages on real estate.....	134,937,653	91	68.18	129,482,723	45	66.55
Loans on stocks and bonds.....	192,841	37	.10	514,921	58	.26
Dominion Government, United Kingdom and Guaranteed.....	12,816,664	45	6.47	15,731,129	62	8.09
Provincial Governments and Guaranteed.....	6,883,105	87	3.48	7,716,938	54	3.97
Canadian Municipalities, etc.....	2,816,628	19	1.42	2,807,821	82	1.44
All other bonds.....	2,452,416	79	1.24	2,608,102	27	1.34
Stocks.....	10,476,948	29	5.29	10,647,917	69	5.47
Cash.....	9,112,732	75	4.60	8,339,226	20	4.28
All other assets.....	946,368	38	.49	1,025,377	27	.53
Total Assets.....	197,905,190	09	100.00	194,586,830	56	100.00
LIABILITIES						
To the Public						
Debentures payable in Canada.....	75,106,652	98		74,222,203	37	
Debentures payable elsewhere.....	21,689,154	40		20,032,818	80	
Deposits.....	34,701,748	15		33,439,113	76	
Money borrowed from banks and elsewhere.....	97,443	93		109,680	87	
Dividends declared and unpaid.....	700,529	17		952,059	51	
All other liabilities.....	11,184,973	04		11,269,166	43	
Total.....	143,480,501	67	72.50	140,025,042	74	71.96
To Shareholders						
Capital Stock, Permanent.....	33,623,087	19		33,623,087	19	
Capital Stock, Terminating.....	129,542	86		152,349	58	
Reserve Fund and Contingency Reserve.....	18,626,508	96		18,646,791	33	
Profit and loss.....	2,045,549	41		2,139,559	72	
Total.....	54,424,688	42	27.50	54,561,787	82	28.04
Grand Total to the Public and Shareholders.....	197,905,190	09	100.00	194,586,830	56	100.00
Capital Stock						
Capital subscribed.....	38,002,327	19		38,026,827	19	
Capital paid in cash.....	33,752,630	05		33,775,436	77	

## LIABILITIES OF LOAN CORPORATIONS

1943				1944				1945				1946			
Amount		Percentage to Total Assets		Amount		Percentage to Total Assets		Amount		Percentage to Total Assets		Amount		Percentage to Total Assets	
\$	c.	%		\$	c.	%		\$	c.	%		\$	c.	%	
1	5,922,561	00	2.99	5,790,780	16	2.86		5,587,804	11	2.69		5,552,228	06	2.47	
2	8,713,939	19	4.38	6,010,410	06	2.96		3,295,935	64	1.58		2,112,756	00	.93	
3	120,619,644	37	60.59	110,532,938	33	54.68		107,032,535	16	51.53		114,664,269	16	50.88	
4	412,043	85	.21	422,304	24	.22		521,816	11	.25		266,587	53	.12	
5	28,493,728	29	14.32	39,253,499	53	19.42		57,390,050	37	27.63		64,670,711	91	28.70	
6	7,674,627	.56	3.85	7,264,390	43	3.59		6,524,974	65	3.15		6,596,883	84	2.93	
7	2,771,409	53	1.39	3,057,852	62	1.52		2,568,214	39	1.24		2,068,153	87	.92	
8	2,715,321	07	1.36	2,863,123	29	1.42		3,233,055	87	1.55		3,652,292	24	1.63	
9	11,282,232	55	5.67	13,101,982	88	6.48		13,532,145	84	6.52		15,656,036	99	6.92	
10	9,622,396	50	4.83	13,094,130	87	6.48		7,339,849	93	3.53		9,321,019	59	4.14	
11	827,969	35	.41	753,319	81	.37		680,592	80	.33		808,867	74	.36	
	199,055,873	26	100.00	202,144,732	22	100.00		207,706,974	87	100.00		225,369,806	93	100.00	
12	74,737,472	43		73,391,300	48			73,905,804	12			79,141,468	14		
13	17,972,442	04		15,855,579	04			14,898,383	34			14,195,534	26		
14	37,381,501	81		44,384,061	23			50,257,253	55			62,174,976	30		
15	101,172	26		87,363	52			82,128	99			81,252	00		
16	1,192,463	19		1,689,546	89			2,310,049	19			6,627,813	50		
17	12,866,631	66		14,179,556	80			14,108,032	20			10,670,824	69		
	144,251,683	39	72.47	149,587,407	96	74.00		155,561,651	39	74.89		172,891,868	89	76.71	
18	33,623,087	19		31,849,117	19			31,349,117	19			31,349,117	19		
19	166,075	07		191,197	45			205,036	86			227,326	82		
20	18,672,106	87		18,067,785	21			18,244,326	84			18,475,860	72		
21	2,342,920	74		2,449,224	41			2,346,842	59			242,563	31		
	54,804,189	87	27.53	52,557,324	26	26.00		52,145,323	48	25.11		52,477,938	04	23.29	
	199,055,873	26	100.00	202,144,732	22	100.00		207,706,974	87	100.00		225,369,806	93	100.00	
22	37,258,737	19		36,298,597	19			35,812,237	19			35,928,377	19		
23	33,789,162	26		32,040,314	64			31,554,154	05			31,576,444	01		

# COMPARATIVE SUMMARY OF ASSETS AND Company

Assets and Liabilities	1941			1942		
	Amount		Percentage to Total Assets	Amount		Percentage to Total Assets
ASSETS						
	\$	c.	%	\$	c.	%
Office premises.....	5,430,229	55	8.86	5,300,975	17	8.56
Real estate held for sale.....	8,379,243	86	13.68	6,952,086	59	11.23
Mortgages on real estate.....	13,871,067	38	22.65	14,287,635	93	23.08
Loans on stocks and bonds.....	2,468,020	65	4.03	3,855,770	20	6.23
Dominion Government, United Kingdom and Guaranteed.....	6,250,471	42	10.22	7,094,422	30	11.46
Provincial Government and Guaranteed.....	4,088,737	45	6.68	4,039,096	53	6.52
Canadian Municipalities, School Districts and Rural Telephone debentures.....	1,623,386	09	2.65	1,423,645	26	2.30
All other bonds.....	6,473,081	78	10.57	6,629,607	11	10.72
Stocks.....	6,499,495	08	10.62	6,779,433	16	10.95
Cash.....	3,052,046	17	4.98	2,606,952	01	4.21
All other assets.....	3,097,095	39	5.06	2,932,127	10	4.74
Total Assets.....	61,232,874	82	100.00	61,901,751	36	100.00
LIABILITIES						
To the Public						
Money borrowed from banks and elsewhere.....	10,848,312	40		11,728,961	86	
Dividends declared and unpaid.....	398,386	23		378,053	23	
All other liabilities.....	4,833,238	72		4,145,069	18	
Total.....	16,079,937	35	26.24	16,252,084	27	26.25
To Shareholders						
Capital Stock Permanent.....	26,834,413	59		26,835,806	04	
Reserve Fund and Contingency Reserve.....	14,543,967	82		14,682,861	20	
Profit and Loss.....	3,774,556	06		4,130,999	85	
Total.....	45,152,937	47	73.76	45,649,667	09	73.75
Grand Total.....	61,232,874	82	100.00	61,901,751	36	100.00
Capital Stock						
Capital subscribed.....	26,930,770	00		27,426,320	00	
Capital paid in cash.....	26,834,413	59		26,835,806	04	

## LIABILITIES OF TRUST COMPANIES

## Funds

	1943			1944			1945			1946		
	Amount		Percentage to Total Assets	Amount		Percentage to Total Assets	Amount		Percentage to Total Assets	Amount		Percentage to Total Assets
	\$	c.	%	\$	c.	%	\$	c.	%	\$	c.	%
1	5,185,176	02	8.42	5,212,401	20	8.30	5,182,203	09	7.84	5,261,971	03	8.22
2	5,245,656	38	8.52	3,172,077	61	5.05	1,839,094	57	2.78	862,960	58	1.35
3	14,086,716	29	22.89	14,497,966	46	23.10	12,884,295	70	19.49	11,409,586	03	17.82
4	3,695,398	49	6.00	4,834,864	89	7.70	6,565,864	19	9.94	4,108,653	84	6.43
5	9,921,802	87	16.13	11,560,967	29	18.45	14,775,147	88	22.36	17,437,365	35	27.24
6	3,912,132	88	6.37	3,547,875	13	5.65	2,986,644	61	4.52	3,002,381	65	4.69
7	1,397,853	80	2.29	1,363,854	00	2.17	1,344,324	40	2.04	1,374,917	82	2.15
8	4,860,227	65	7.91	4,836,776	03	7.70	3,979,857	65	6.03	3,966,395	59	6.19
9	7,189,996	53	11.69	8,166,954	05	13.04	8,945,953	66	13.53	9,786,958	32	15.28
10	2,847,426	40	4.62	2,384,493	80	3.79	3,757,127	07	5.68	3,870,728	37	6.04
11	3,175,654	82	5.16	3,173,633	26	5.05	3,830,832	86	5.79	2,937,722	26	4.59
	61,518,042	13	100.00	62,751,863	72	100.00	66,091,345	68	100.00	64,019,640	84	100.00
12	10,039,023	81		8,707,424	44		10,484,551	86		6,937,424	32	
13	388,852	12		444,125	96		468,520	56		575,329	31	
14	4,946,779	51		5,225,933	12		4,254,123	11		4,553,606	39	
	15,374,655	44	24.99	14,377,483	52	22.91	15,207,195	53	23.01	12,066,360	02	18.85
15	26,836,935	27		26,918,207	48		27,455,524	64		27,361,430	82	
16	14,739,010	59		17,071,182	03		19,736,325	80		20,618,847	80	
17	4,567,440	83		4,384,990	69		3,692,299	71		3,973,002	20	
	46,143,386	69	75.01	48,374,380	20	77.09	50,884,150	15	76.99	51,953,280	82	81.15
	61,518,042	13	100.00	62,751,863	72	100.00	66,091,345	68	100.00	64,019,940	84	100.00
18	27,426,320	00		27,926,320	00					27,555,150	00	
19	26,836,935	27		26,918,207	48					27,361,360	82	

# COMPARATIVE SUMMARY OF ASSETS AND Guaranteed

Assets and Liabilities	1941			1942			
	Amount	Percentage to Total Assets		Amount	Percentage to Total Assets		
ASSETS							
	\$	c.	%	\$	c.	%	
Mortgages on real estate . . . . .	63,350,098	54	45.72	60,130,661	17	44.37	1
Loans on stocks and bonds . . . . .	12,521,238	71	9.03	11,725,200	81	8.65	2
Dominion Government, United Kingdom and Guaranteed . . . . .	22,582,328	23	16.29	29,163,901	96	21.52	3
Provincial Government and Guaranteed . . . . .	12,215,603	61	8.82	11,377,615	61	8.39	4
Canadian Municipalities, etc. . . . .	7,722,884	99	5.57	6,955,812	15	5.13	5
All other bonds and stocks . . . . .	9,731,501	14	7.03	8,283,768	70	6.12	6
Cash . . . . .	10,236,244	46	7.38	7,684,577	74	5.68	7
All other assets . . . . .	228,732	52	.16	180,180	52	.14	8
Total Assets . . . . .	138,588,632	20	100.00	135,501,718	66	100.00	
LIABILITIES							
Deposits . . . . .	58,977,726	82	42.56	55,033,282	91	40.61	9
Specific Guaranteed Funds . . . . .	10,210,425	75	7.36	8,977,711	41	6.62	10
General Guaranteed Funds . . . . .	69,234,840	25	49.96	71,325,396	70	52.64	11
Due to Company Funds . . . . .	165,639	38	.12	165,327	64	.13	12
Total Liabilities . . . . .	138,588,632	20	100.00	135,501,718	66	100.00	
Estates, Trusts and Agency Funds . . . . .	2,448,877,618	83		2,483,210,468	39		



## LIABILITIES OF TRUST COMPANIES

## Funds

1943				1944				1945				1946			
Amount		Percentage to Total Assets		Amount		Percentage to Total Assets		Amount		Percentage to Total Assets		Amount		Percentage to Total Assets	
\$	c.	%		\$	c.	%		\$	c.	%		\$	c.	%	
1	54,504,952	39	37.96	48,416,787	82	30.44		46,464,851	18	26.35		51,127,065	03	25.01	
2	10,275,188	26	7.16	10,012,375	91	6.29		8,380,582	20	4.74		9,608,636	62	4.61	
3	43,201,981	46	30.09	63,244,732	86	39.77		84,809,375	85	48.10		100,779,778	44	49.39	
4	10,939,047	58	7.62	11,095,405	61	6.98		11,415,449	45	6.48		11,584,053	65	5.67	
5	7,097,637	78	4.95	6,322,753	72	3.99		6,984,953	75	3.97		8,662,956	34	4.24	
6	10,100,433	61	7.04	10,310,938	05	6.48		10,456,853	21	5.94		13,231,167	56	6.48	
7	7,298,530	41	5.08	9,498,457	58	5.99		7,738,006	02	4.38		9,352,144	66	4.58	
8	143,332	52	.10	108,132	52	.06		34,832	52	.04		35,682	52	.02	
	143,561,104	01	100.00	159,009,584	07	100.00		176,284,904	18	100.00		204,381,484	82	100.00	
9	59,504,909	16	41.45	69,485,483	10	43.69		81,968,126	80	46.49		99,301,281	49	48.58	
10	9,951,029	88	6.93	10,238,448	72	6.43		12,448,979	77	7.07		11,167,636	57	5.46	
11	74,071,559	92	51.59	79,279,153	97	49.85		81,631,000	56	46.30		93,906,779	57	45.94	
12	33,605	05	.03	6,498	28	.03		236,797	05	.14		5,787	19	.02	
	143,561,104	01	100.00	159,009,584	07	100.00		176,284,904	18	100.00		204,381,484	82	100.00	
	2,571,269,015	78	.....	2,649,369,417	55	.....		2,753,476,858	05	.....					

## COMPARATIVE SUMMARY

Income	1943						Loan Corporations	
	Loan Corporations		Trust Companies		Totals			
	\$	c.	\$	c.	\$	c.	\$	c.
Rents earned.....	238,014	13	99,196	29	337,210	42	238,058	53
Interest earned on mortgages, bonds, stocks, etc.....	8,961,693	83	2,221,908	87	11,183,602	70	9,100,105	35
Profit on sale of securities and real estate.....	222,488	40	295,575	86	518,064	26	723,269	67
Amount transferred from Investment Reserve*.....	60,269	35	41,310	54	101,579	89		
Profit in Guaranteed Funds.....			2,537,283	83	2,537,283	83		
Agency fees and commissions earned.....	48,806	43	7,309,009	64	7,357,816	07	48,375	17
All other revenue for year.....	1,013,352	32	321,342	71	1,334,695	03	1,037,228	96
Totals.....	10,544,624	46	12,825,627	74	23,370,252	20	11,147,037	68
Expenditure								
Interest incurred during the year.....	*3790,560	10	84,326	84	3,874,886	94	3,838,324	36
Loss on sale of securities and real estate.....	167,561	55	168,932	33	336,493	88	377,158	99
Amount by which Ledger values of assets were written down.....	377,490	11	104,406	78	481,896	89	521,895	52
Licenses and taxes other than taxes on real estate.....	1,023,453	48	1,292,892	95	2,316,346	43	775,551	70
Commissions.....			70,085	87	70,085	87		
Transferred to Investment Reserves.....	916,794	14	444,355	10	1,361,149	24	1,375,965	81
All other expenses.....	2,058,631	11	8,420,203	96	10,478,835	07	2,073,236	54
Profit and Loss.....	2,210,133	97	2,240,423	91	4,450,557	88	2,184,904	76
Totals.....	10,544,624	46	12,825,627	74	23,370,252	20	11,147,037	68

\*Including assets written up.

## OF INCOME AND EXPENDITURE

1944		1945			1946		
Trust Companies	Totals	Loan Corporations	Trust Companies	Totals	Loan Corporations	Trust Companies	Totals
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 97,873 44	335,931 97	218,443 03	101,906 39	320,349 42	209,441 46	100,401 31	309,842 77
2 2,527,530 32	11,627,635 67	8,914,532 04	2,431,022 40	11,345,614 44	9,352,689 93	2,451,147 92	11,803,837 85
3 161,786 23	885,055 90	787,638 50	527,028 19	1,314,666 69	489,096 32	611,424 56	1,100,520 88
4 13,495 69	13,495 69	1,058 90	1,200 00	2,258 90	657 50		657 50
5 2,668,865 30	2,668,865 30		2,719,866 02	2,719,866 02		2,966,216 61	2,966,216 61
6 7,806,482 81	7,854,857 98	49,142 57	8,618,005 00	8,667,147 57	42,468 83	9,899,977 71	9,942,446 54
7 337,546 23	1,374,775 19	386,310 79	539,376 25	925,687 04	209,280 88	305,789 10	515,069 98
13,613,580 02	24,760,617 70	10,357,185 83	14,938,404 25	25,295,590 08	10,303,634 92	16,334,957 21	26,638,592 13
8 81,234 46	3,919,558 82	3,785,765 07	57,117 31	3,842,882 38	3,931,813 26	81,446 39	4,013,259 65
9 48,518 04	425,677 03	317,416 69	219,247 74	536,664 43	119,519 50	83,829 58	203,349 08
10 121,935 02	643,830 54	339,053 69	189,079 89	528,133 58	206,257 56	126,297 06	332,554 62
11 1,488,974 56	2,264,526 26	635,093 01	1,578,175 51	2,213,268 52	714,490 90	1,650,780 05	2,365,270 95
12 77,525 22	77,525 22		67,604 05	67,604 05		118,310 68	118,310 68
13 324,007 78	1,699,973 59	945,909 65	453,685 68	1,399,595 33	564,027 61	497,380 93	1,061,408 54
14 8,991,885 27	11,065,121 81	2,132,712 49	9,627,718 90	11,760,431 39	2,460,598 10	10,887,191 63	13,347,789 73
15 2,479,499 67	4,664,404 43	2,201,235 23	2,745,775 17	4,947,010 40	2,306,927 99	2,889,720 89	5,196,648 88
13,613,580 02	24,760,617 70	10,357,185 83	14,938,404 25	25,295,590 08	10,303,634 92	16,334,957 21	26,638,592 13

**AVERAGE RATES OF INTEREST EARNED OR INCURRED AND AVERAGE  
DIVIDENDS PAID BY LOAN AND TRUST CORPORATIONS  
FOR THE YEAR 1943**

	Loan Corporations	Trust Companies	
		Company Funds	Guaranteed Funds
Average rate earned on:			
Mortgages of realty .....	5.72	5.73	5.54
Collateral Loans .....	3.24	5.09	3.82
Bonds and Debentures .....	2.92	3.15	3.31
Stocks .....	5.12	4.32	4.22
Average rate paid on:			
Deposits .....	1.72	....	1.81
Debentures and Debenture Stocks or G. I. R's .....	3.43	....	2.76
Average rate of dividends, including bonuses .....	5.93	6.05	....

**FOR THE YEAR 1944**

	Loan Corporations	Trust Companies	
		Company Funds	Guaranteed Funds
Average rate earned on:			
Mortgages of realty .....	6.09	6.48	6.08
Collateral Loans .....	3.38	4.73	3.54
Bonds and Debentures .....	2.87	3.24	3.07
Stocks .....	4.89	4.33	3.05
Average rate paid on:			
Deposits .....	1.65	....	1.73
Debentures and Debenture Stocks or G. I. R's .....	3.43	....	2.71
Average rate of dividends, including bonuses .....	5.93	6.51	....

**FOR THE YEAR 1945**

	Loan Corporations	Trust Companies	
		Company Funds	Guaranteed Funds
Average rate earned on:			
Mortgages of Realty .....	6.50	6.69	5.96
Collateral Loans .....	2.75	3.79	3.43
Bonds and Debentures .....	2.79	3.41	2.96
Stocks .....	4.99	4.30	4.70
Average rate paid on:			
Deposits .....	1.61	....	1.60
Debentures and Debenture Stocks or G. I. R's .....	3.39	....	2.62
Average rate of dividends, including bonuses .....	6.10	6.67	....

**FOR THE YEAR 1946**

	Loan Corporations	Trust Companies	
		Company Funds	Guaranteed Funds
Average rate earned on:			
Mortgages of realty .....	5.62	6.70	....
Collateral Loans .....	3.42	4.69	....
Bonds and Debentures .....	2.88	3.34	....
Stocks .....	5.08	4.35	....
Average rate paid on:			
Deposits .....	1.58	..	1.46
Debentures and Debenture Stocks or G. I. R's .....	3.23	....	2.47
Average rate of dividends including bonuses .....	6.21	7.33	....

**PERCENTAGE OF NET REVENUE TO CAPITAL INVESTMENT, PERCENTAGE OF ADMINISTRATIVE EXPENSE  
TO GROSS REVENUE**

	1943		1944		1945		1946	
	Loan Corporations	Trust Companies	Loan Corporations	Trust Companies	Loan Corporations	Trust Companies	Loan Corporations	Trust Companies
Capital Stock.....	\$ 33,789,162 26	\$ 26,836,935 27	\$ 32,040,314 64	\$ 26,918,207 48	\$ 31,554,154 05	\$ 27,455,524 64	\$ 31,576,444 01	\$ 27,361,430 82
Reserve Funds.....	18,672,106 87	14,739,010 59	18,067,785 21	17,071,182 03	18,244,326 84	19,736,325 80	18,475,860 72	20,618,847 80
Profit and Loss Account.....	2,342,920 74	4,567,440 83	2,449,224 41	4,384,990 69	2,346,842 59	3,692,299 71	2,425,633 31	3,973,002 20
Total Capital Investment.....	54,804,189 87	46,143,386 69	52,557,324 26	48,374,380 20	52,145,323 48	50,884,150 15	52,477,938 04	51,953,280 82
Net Profit Transferred.....	2,210,133 97	2,240,423 91	2,184,904 76	2,479,499 67	2,201,235 23	2,745,775 17	2,306,927 99	2,889,720 89
Add amount by which Assets were written down and amount transferred to Investment Reserves.....	1,294,284 25	548,761 88	1,897,861 33	445,942 80	1,284,963 34	642,765 57	770,285 17	623,677 99
Total Net Revenue.....	3,504,418 22	2,789,185 79	4,082,766 09	2,925,442 47	3,486,198 57	3,388,540 74	3,077,213 16	3,513,398 88
Percentage of Net Revenue to Capital Investment.....	6 39	6 04	7 76	6 05	6 09	6 65	5 86	6 76
Gross Revenue for Year.....	10,544,624 46	12,825,627 74	11,147,037 68	13,613,580 02	10,357,185 83	14,938,401 25	10,303,631 92	16,334,957 21
Administrative Expenses.....	2,058,631 11	8,420,203 96	2,073,236 54	8,991,885 27	2,132,712 49	9,627,718 90	2,460,598 10	10,887,191 63
Percentage of Administrative Expense to Gross Revenue.....	19 52	65 65	18 59	66 05	20 59	64 45	23 08	66 65





# Quarterly Statements

OF

## DEPOSITS

AND

Securities on Hand and Available for Depositors

FILED BY

# Loan and Trust Corporations

DECEMBER 31st, 1946, and JUNE 30th, 1947

Pursuant to Sections 49 or 19 (3) of the Loan and Trust  
Corporations Act.

Sec. 49. Every loan company receiving deposits shall make a sworn return to the Registrar quarterly on the 15th days of January, April, July and October in each year, drawn in accordance with the form prescribed from time to time by the Registrar, showing the amount of such deposits and showing the amount of cash on hand and on deposit and the amount of debentures, bonds, stock or other securities of or guaranteed by the Dominion of Canada, and of or guaranteed by any province of Canada less any incumbrances thereon and the amount of bonds, debentures and other securities of any municipal corporation in Ontario or of any city in Canada, less any incumbrances thereon and the bonds or debentures issued by any incorporated company in respect of which bonds or debentures annual or semi-annual payments sufficient to pay both principal and interest thereof are, by virtue of any general Act of the Dominion of Canada, payable by the Government of the Dominion of Canada to a trust company as trustee for the holders of such bonds or debentures, and the principal amount of any moneys payable to the company on demand the payment of which is secured by the mortgage or pledge of any of the securities hereinbefore in this section mentioned as the said amounts stood at the end of the last preceding month, and stating that the same were at the date mentioned in such return on hand and available for depositors.

Sec. 19.—(3) Every trust company receiving deposits in the manner authorized by subsection 3 of section 19 shall make a sworn return to the Registrar quarterly on the 15th days of January, April, July and October in each year, drawn in accordance with the form prescribed from time to time by the Registrar, showing the amount of such deposits and showing the amount of cash on hand and on deposit, and the amount of debentures, bonds, stock or other securities of or guaranteed by the Dominion of Canada, and of or guaranteed by any province of Canada, less any incumbrances thereon, and the amount of bonds, debentures and other securities of any municipal corporation in Ontario or of any city in Canada, less any incumbrances thereon, and the bonds or debentures issued by any incorporated company in respect of which bonds or debentures annual or semi-annual subsidy payments sufficient to pay both principal and interest thereof are, by virtue of any general Act of the Dominion of Canada, payable by the Government of the Dominion of Canada to a trust company as trustee for the holders of such bonds or debentures, and the principal amount of moneys payable to the company on demand, the payment of which is secured by the mortgage or pledge of any of the securities hereinbefore in this subsection mentioned, as the said amounts stood at the end of the last preceding month, and including in such statement all such cash and securities and loans as defined in this subsection, whether owned by the company or held by it as guaranteed investments under the provision of subsection 2 of section 17, or subsection 4 of section 18, and stating that the same were at the date mentioned in such return on hand and available for depositors.



**HALF-YEARLY STATEMENT OF DEPOSITS AND LIQUID SECURITIES ON HAND AND AVAILABLE FOR DEPOSITORS OF  
LOAN AND TRUST CORPORATIONS AS OF JUNE 30th, 1947**

Name of Corporation	Total Deposits 1	Liquid Securities on hand and available for Depositors					Total Available Liquid Securities 6	Percentage of Total Available Liquid Securities to Deposits 7
		Cash on Hand and on Deposit 2	Dominion or Provincial Bonds or Guarantees 3	Canadian City and Ontario Municipal Debentures 4	Demand Loans on Similar Securities 5			
						\$		
Canada Permanent Mortgage Corporation.....	30,912,940 14	3,653,876 97	22,284,570 05	590,620 88	48,569 75	26,577,637 65	85 97	
Guelph and Ontario Investment and Savings Society .....	2,251,555 40	307,978 98	2,138,417 88	30,873 24	8,789 74	2,186,059 84	110 84	
Huron and Erie Mortgage Corporation .....	23,577,003 88	886,355 32	21,771,986 06	25,000 00	.....	22,683,341 38	96 21	
Lambton Loan and Investment Company .....	1,888,616 09	330,382 33	1,030,419 75	252,997 78	.....	1,613,799 86	85 45	
Midland Loan and Savings Company.....	757,353 49	213,131 04	851,640 96	36,839 01	.....	1,101,611 01	145 45	
Ontario Loan and Debenture Company .....	5,997,820 67	135,643 32	7,152,918 99	81,556 79	1,553 76	7,371,672 86	122 90	
Toronto Mortgage Company .....	225,026 13	97,134 02	720,788 81	35,712 15	.....	853,634 98	379 31	
British Mortgage and Trust Corporation of Ontario .....	5,021,164 27	103,124 13	6,233,343 56	60,770 50	.....	6,397,238 19	127 40	
Brockville Trust and Savings Company .....	945,009 03	57,066 04	384,836 90	26,891 76	757 00	469,551 70	49 69	
Canada Trust Company .....	4,915,639 10	80,466 45	5,231,705 26	.....	132,421 84	5,444,593 55	110 76	
Chartered Trust and Executor Company .....	10,486,638 48	2,662,583 05	6,840,181 10	150,078 24	1,246,066 23	10,898,908 62	103 93	
Crown Trust and Guarantee Company .....	6,830,438 83	550,758 83	5,129,640 47	288,469 64	8,133 63	5,977,002 57	87 51	
Eastern Trust Company .....	2,597,541 86	59,131 85	3,570,106 07	952,633 80	.....	4,581,871 72	176 36	
Grey and Bruce Trust and Savings Company .....	4,832,325 94	543,352 72	3,662,889 68	700,365 75	66,573 44	5,033,181 59	104 16	
Guaranty Trust Company of Canada .....	7,840,649 01	296,882 58	6,112,258 74	1,766,183 35	578,674 38	8,753,999 05	111 65	
Industrial Mortgage and Trust Company .....	2,752,135 08	250,809 14	3,183,145 57	317,947 56	.....	3,751,902 27	136 32	
National Trust Company, Limited .....	25,143,809 22	365,731 32	25,051,847 68	71,975 86	100,000 00	25,592,554 86	101 78	
Premier Trust Company .....	2,263,982 49	118,331 10	1,700,554 63	.....	121,375 77	1,940,261 50	85 70	
Sterling Trusts Corporation .....	888,820 92	125,302 93	672,673 69	161,202 86	1,024 00	960,203 48	108 03	
Toronto General Trusts Corporation .....	12,556,762 75	660,768 60	14,961,771 37	1,794,891 59	1,327,231 02	18,744,662 58	149 28	
Victoria Trust and Savings Company .....	3,374,449 58	151,956 56	3,706,120 97	1,069,952 96	2,918 55	1,930,949 04	146 12	
Waterloo Trust and Savings Company .....	16,376,459 44	1,203,455 49	14,980,165 89	1,605,459 89	97,714 53	17,886,795 80	109 22	
Totals.....	174,436,197 46	12,854,222 77	157,374,984 08	10,080,423 61	3,741,803 64	184,051,434 10	105 51	
Totals for same period previous year .....	158,967,804 41	15,342,941 45	149,213,579 31	8,447,946 08	3,646,938 23	176,651,405 07	111 12	





---

---

LIST OF  
LOAN AND TRUST CORPORATIONS

---

---

## LIST OF LOAN

Page	Name of Company	Chief Office in Ontario	
3	Canada Permanent Mortgage Corporation.....	Toronto.....	1
7	Central Canada Loan and Savings Company.....	Toronto.....	2
11	Credit Foncier Franco-Canadien.....	Toronto.....	3
15	Guelph and Ontario Investment and Savings Society.....	Guelph.....	4
19	Huron and Erie Mortgage Corporation.....	London.....	5
23	Lambton Loan and Investment Company.....	Sarnia.....	6
27	Midland Loan and Savings Company.....	Port Hope.....	7
30	Ontario Loan and Debenture Company.....	London.....	8
39	Peterborough Workingmen's Building and Savings Society....	Peterborough.....	9
45	Provident Investment Company.....	Toronto.....	10
34	Toronto Mortgage Company.....	Toronto.....	11
48	Toronto Savings and Loan Company.....	Peterborough.....	12

## CORPORATIONS

	Manager, Secretary or *Chief Agent	President	When Incorporated
1	Charles S. Robertson .....	E. D. Gooderham .....	1st March, 1855
2	W. J. Hastie .....	G. A. Morrow .....	7th March, 1884
3	*John Barnett .....	Comte Cahen-d'Anvers .....	24th July, 1880
4	H. L. Benallick .....	J. R. Howitt, K.C. ....	19th January, 1876
5	M. Aylsworth .....	M. Aylsworth .....	18th March, 1864
6	G. C. Norsworthy .....	Chester H. Belton .....	27th March, 1847
7	Walter J. Helm .....	S. R. Caldwell .....	5th July, 1872
8	Thomas H. Main .....	Archibald McPherson .....	26th September, 1870
9	James F. Dunn .....	Frederick J. Overend .....	17th January, 1889
10	A. H. Cox .....	A. H. Cox .....	3rd November, 1893
11	Philip Simmonds .....	Gerard B. Strathy, K.C. ....	15th December, 1899
12	G. H. Thompson .....	W. J. Hastie .....	15th June, 1885

## LIST OF TRUST

Page	Name of Company	Chief Office in Ontario	
53	Bankers' Trust Company.....	Toronto.....	1
—	*British Empire Trust Company, Limited.....	Toronto.....	2
56	British Mortgage and Trust Corporation of Ontario.....	Stratford.....	3
60	Brockville Trust and Savings Company.....	Brockville.....	4
64	Canada Permanent Trust Company.....	Toronto.....	5
68	Canada Trust Company.....	London.....	6
73	Capital Trust Corporation.....	Ottawa.....	7
77	Chartered Trust and Executor Company.....	Toronto.....	8
82	Crown Trust and Guarantee Company.....	Toronto.....	9
87	Eastern Trust Company.....	Toronto.....	10
91	Grey and Bruce Trust and Savings Company.....	Owen Sound.....	11
95	Guaranty Trust Company of Canada.....	Windsor.....	12
99	Guelph Trust Company.....	Guelph.....	13
103	Industrial Mortgage and Trust Company.....	Sarnia.....	14
108	Lambton Trust Company.....	Sarnia.....	15
111	London and Western Trusts Company, Limited.....	London.....	16
116	Montreal Trust Company.....	Toronto.....	17
121	National Trust Company, Limited.....	Toronto.....	18
126	Northern Trusts Company.....	Toronto.....	19
130	Ottawa Valley Trust Company.....	Ottawa.....	20
133	Premier Trust Company.....	Toronto.....	21
138	Prudential Trust Company, Limited.....	Toronto.....	22
142	Royal Trust Company.....	Toronto.....	23
147	Sterling Trusts Corporation.....	Toronto.....	24
151	Toronto General Trusts Corporation.....	Toronto.....	25
157	Victoria Trust and Savings Company.....	Lindsay.....	26
162	Waterloo Trust and Savings Company.....	Kitchener.....	27

\* The business in Ontario of The British Empire Trust Company, Limited is limited to the acceptance of trusteeship for bond and debenture issues of other corporations.

## COMPANIES

	Manager, Secretary or *Chief Agent †Joint General Managers	President	When Incorporated
1	*R. L. Crombie.....	R. P. Jellett.....	20th May, 1905
2	A. J. Mitchell & Co., Limited...	J. Davidson.....	30th April, 1902
3	W. H. Gregory.....	Hon. Nelson Monteith.....	5th October, 1877
4	L. C. Dargavel.....	J. Gill Gardner.....	11th May, 1885
5	T. D'Arcy Leonard K.C., .....	E. D. Gooderham.....	7th March, 1913
6	M. Aylsworth.....	M. Aylsworth.....	23rd July, 1894
7	E. L. Parent.....	T. D'Arcy McGee, K.C.....	1st April, 1912
8	Henry E. Langford.....	Rolph R. Corson.....	20th July, 1905
9	†C. S. Hamilton †H. A. Howard †Irving P. Rexford } .....	Arthur F. White.....	24th February, 1897
10	*E. E. Meadows.....	Hon. F. B. McCurdy, P.C.....	1893
11	O. E. Manning.....	W. S. Middlebro, K.C.....	8th April, 1926
12	J. W. Berry.....	J. Wilson Berry.....	12th June, 1925
13	H. L. Benallick.....	J. R. Howitt, K.C.....	26th May, 1917
14	W. R. Paul.....	John Cowan, K.C.....	20th August, 1889
15	G. C. Norsworthy.....	Chester H. Belton.....	26th April, 1928
16	John D. Harrison.....	Rt. Hon. Arthur Meighen, K.C., P.C.....	17th September, 1896
17	*Gorden F. Harkness.....	Wilbert H. Howard, C.B.E., K.C.	21st March, 1889
18	H. V. Laughton.....	W. M. O'Connor.....	12th August, 1898
19	*Frank Nelson Boyd.....	C. S. Riley.....	1st March, 1902
20	J. S. Shakespeare.....	G. Gordon Gale.....	18th December, 1945
21	Thos. B. Holmes.....	Thos. B. Holmes.....	2nd April, 1913
22	*E. V. Barthe.....	Henry N. Chauvin, K.C.....	19th May, 1909
23	*R. L. Crombie.....	Huntley R. Drummond.....	24th June, 1892
24	Charles Bauckham.....	Charles Bauckham.....	19th May, 1911
25	W. G. Watson.....	Hon. Charles McCrea, K.C.....	3rd February, 1882
26	G. A. Weeks.....	T. H. Stinson, K.C.....	4th September, 1897
27	P. V. Wilson.....	Ford S. Kumpf.....	7th April, 1913















REPORT

OF THE

# Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1946

Printed by Order of  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 8—1947



T O R O N T O

Printed and Published by the Printer to the King's Most Excellent Majesty

1947



TO:

THE HONORABLE RAY LAWSON, O.B.E., LL.D.,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant for the twelve months ending the 31st of March, 1946.

Respectfully submitted,

GEO. H. DOUCETT,  
*Minister of Public Works.*

Department of Public Works, Ontario,  
Toronto, March 25, 1947.



# R E P O R T

OF THE

## Deputy Minister of Public Works

---

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,  
Minister of Public Works,  
Toronto, Ontario.  
Parliament Buildings,

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant for the financial year, April 1, 1945, to March 31, 1946.

### ARCHITECT'S BRANCH

This report shows increasing activity in the preparation of plans for the many projects required to provide the accommodation needed by the various departments of the Government.

The Architect's report fully deals with the various projects started, or brought to completion, and it will be noted that considerable work was done, despite the difficulty of securing labour and materials.

### ENGINEER'S BRANCH

Repairs to the locks and dams in the Northern Districts have been carried out where necessary; the work being done by day labour.

A concrete dam was built on the south channel of the Pickering River, which, together with the dam built in the north channel last year, improves this River for navigation for a distance of approximately 30 miles.

The usual drainage work was done under the appropriation for Municipal Drainage and five Municipalities were granted aid in accordance with the provisions of the Provincial Aid to Drainage Act.

### SECRETARY AND ACCOUNTANT'S BRANCH

The statement of revenue shows a considerable increase over the previous years, but this is on account of monies received from the Dominion to cover the costs of restoring buildings for purposes of the Province after occupancy by the Dominion.



The expenditures for ordinary and capital purposes are summarized as follows:

Main Office .....	\$ 161,537.34
Maintenance and Repairs, Government Buildings.....	872,078.19
Total Ordinary —.....	<u>\$1,033,615.53</u>
CAPITAL	
Public Buildings and Public Works .....	\$ 451,723.07
Total Expenditure .....	<u>\$1,485,338.60</u>

In submitting the aforementioned Reports, I desire to point out that the various projects enumerated were carried out under the direction of the late Deputy Minister, Mr. R. A. McAllister, whose decease occurred on August 1, 1946.

Mr. McAllister was appointed Assistant to the Deputy Minister of this Department, effective February 15, 1937, and was promoted to the position of Deputy Minister as of July 1, 1937. His sudden passing was a great loss to this Department.

I have the honour to be, Sir,

Your obedient servant,

G. N. WILLIAMS,

*Chief Architect and Deputy Minister.*

TORONTO, March 25, 1947.

## REPORT OF THE ARCHITECT

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,  
*Minister of Public Works.*

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1st, 1945, to March 31st, 1946, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED  
 TO  
 THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year, the following Ontario Government Institutions, which were previously turned over, all or in part, to the use of the Department of National Defence for purposes of World War II, are still being retained for this purpose, except as specially noted hereinafter, for Ontario Hospital, St. Thomas.

Ontario Hospital, London (portion of lands only).  
 Industrial Farm, Monteith.  
 Normal School, Ottawa.  
 Boys' Training School, Bowmanville.  
 Ontario Hospital, Brampton.  
 Ontario Hospital, St. Thomas (partial return started).

In the case of the Ontario Hospital, St. Thomas, negotiations for the return of this Institution of the Province have been underway for some time and we have been taking over the premises, building by building, as the work of restoration by the Dominion, is completed. The official termination arrangements have not as yet been completed.

The following Institutions have been returned by the Department of National Defence to the Province following termination of lease arrangements:

Returned during this fiscal year:

Girls' Training School, Galt, as of April 20th, 1945.

Returned previous to this fiscal year:

Ontario Hospital, Port Arthur (Administration Building) as of February 15th, 1944.

Ontario Reformatory, Mimico, as of May 1st, 1944.

Agricultural School, Kemptville, as of May 1st, 1944.

Normal School, Toronto, as of July 12th, 1944.

Ontario School for Deaf, Belleville, as of July 15th, 1944.

Training College for Technical Teachers, Hamilton, as of September 1st, 1944.

Ontario Agricultural College, Guelph, as of February 19th, 1945.

Further remarks regarding the return and reconversion of these Institutions will be found in the body of this report under their respective sub-divisions.

A considerable amount of work was rendered by this Branch of the Department in connection with the continued use of the above enumerated Institutions still on loan to the Department of National Defence, as well as in connection

with the above Institutions referred to as being returned to the use of the Province during this fiscal year.

The stringent conditions affecting the construction industry with regard to material and skilled labour supply and the acute housing problem which prevailed throughout this fiscal year, made it extremely difficult for this Department to undertake much work and many projects planned for this year were, of necessity, set aside awaiting more favourable conditions. The preparation of the working drawings for many projects, however, was continued, but this work also was greatly hampered by the shortage of skilled technical personnel.

### LEGISLATIVE AND DEPARTMENTAL BUILDINGS

The working drawings for the proposed two-wing extension to the East Block were further developed.

Working drawings for the initial stages of remodelling the East Wing of the Parliament Buildings were started and included plans for a new fire tower stair at the north end of the east wing and new fire tower stairs and elevator shafts at the east entrance and at the grand staircase of the same wing. Plans for remodelling the lavatories at the north end of the east wing were also prepared for inclusion in this initial programme.

General routine repairs, replacements and changes were carried out in all trade branches, but this work also was restricted by the material and labour supply situation referred to above.

The work in this category for this group of buildings included repairs, replacements or changes, as required, in each instance in connection with roofs, plastering, masonry, windows, doors and other interior wooden trim and other finishes.

General repairs and replacements were also carried out in connection with furniture, furniture upholstery, linoleum, blinds and other such equipment.

A considerable amount of interior painting was done and extra shelving provided for the various departments.

Repairs, replacements and changes were carried out in connection with plumbing, heating, ventilation, refrigeration and electrical systems and the elevators were regularly inspected and repairs made as required.

The electric lighting system was improved in some offices and this work will be extended as materials become available.

Numerous sectional partitions were installed in various offices throughout the Parliament Buildings and East Block to divide existing offices.

Included in the general work, as above described, the following items were considered to be of sufficient interest to warrant mention for purposes of record, in this report:

#### *Parliament Buildings:*

The south elevator in the North Wing, which was out of commission during the war years, was repaired and put into operation.

Owing to the serious scarcity of sheet metal, the need for new and additional ballot boxes was met by the conversion of surplus ammunition boxes to

suit the requirements of the Election Officer. This work was done by our maintenance mechanics.

Lighting of the Press Gallery desks was improved by the installation of individual desk lamps.

Office Directories were installed in the corridors of the North Wing, (Education Department) for the convenience of the public.

New asphalt paving was laid over the subsurface portion of the Treasury Vault in the North Wing.

Separate transformers were placed on the operating mechanisms on the doors of the two East Wing elevators, so that they could be continued in operation in the event of a power failure in the lighting circuits.

#### *East Block:*

The work of repointing the exterior stonework of the building started in the previous year, was continued throughout this fiscal year, but progress was still limited by shortages of material and labour.

Installation of office directories and illuminated directional signs, started in the previous year, was completed during this fiscal year.

The entrance steps and sidewalk at the north entrance to the East Block were rebuilt and the lamp standards relocated, following the widening of St. Alban's Street by the City of Toronto.

The sidewalk at the coal vault on Surrey Place was relaid and the ramp extended six feet to the south.

A new dishwashing machine and dish tables were installed in the Civil Service Cafeteria, the cold storage rooms were enlarged and separate refrigeration machines provided. A new travelling type, gas operated toaster was provided.

The vault door on the bond vault was overhauled.

New wash sinks and counters were installed in the central washup room in the Department of Health Laboratories.

A special electric generator was installed in the Industrial Hygiene Division for operating special apparatus.

Accoustical ceilings were applied to various rooms throughout the Buildings, where large groups of business machines were in operation and the noise level was found to be distracting.

General repairs were made to the boiler plant, including complete overhaul of stokers and boiler feed pumps, new soot blower elements were installed in the boilers and the ammonia compressor on the refrigeration system was overhauled. Extensive replacements were made of radiator traps.

#### *Subsidiary Buildings:*

Minor general repairs in various trade branches were carried out in the following buildings:

Numbers 11, 15 and 39 Queen's Park.

112 College Street.

454 University Avenue (Liquor Control Board).

807 Richmond Street West (Sewage Laboratory).

Department of Highways' Garages, Surrey Place and Leaside.

Department of Health, Serology Laboratory Annex, Mimico.

Department of Health, Office Annex, 1011 Queen Street West.

The following items are listed for purposes of record:

At 112 College Street, the old heating boiler was removed and the heating system connected up with the steam distribution mains originating at the East Block boiler plant. The interior of the building was redecorated throughout and extensive repairs were made to the roofs, downpipes and eavestroughing.

At 454 University Avenue, the hot water generator was retubed, the furnace linings repaired and general repairs made to the elevator.

At 11 Queen's Park, repairs were made to floors and woodwork following a minor fire which was confined to one office.

#### *Osgoode Hall:*

General routine repairs, replacements and minor changes were carried out at these premises. The following items are mentioned for purposes of record:

A new flagpole was set up in the grounds, replacing the old flagpole which was located on the peak of the centre pediment at the roof level and was found to be inaccessible when the roofs were ice covered.

A rest room for women members of the staff was installed.

Extensive changes were made to the heating distribution piping, a large number of traps were placed on radiators and general repairs made to boilers, stokers and pumps.

### EDUCATIONAL BUILDINGS

#### *Normal and Model School, Toronto:*

These premises were continued in use as a Rehabilitation Centre by the Department of Education under a Dominion-Provincial Training Programme.

Minor repairs only were carried out by this Department, as the school took care of the buildings generally as a part of the Vocational Training Programme.

The use of the former Earl Kitchener School on Pape Avenue, Toronto, as temporary quarters for Normal School work was continued during this fiscal year and general routine repairs and maintenance carried out, including repairs to boilers and mechanical equipment. Some new tubes were installed in the heating boiler, the hydraulic ash hoist was overhauled and the temperature control apparatus repaired and adjusted.

#### *Normal and Model School, Ottawa:*

These premises are still on loan to the Dominion Government and, as noted in my previous annual report, were loaned as of November 1st, 1939.

The Normal School classes are being carried on in temporary quarters located in the Mutchmor School, Ottawa.

A strip of the land forming the grounds of this school, fronting on Elgin



Street, was deeded by the Province to the Federal District Commission, Ottawa, for street widening purposes.

*Normal School, London:*

Minor routine repairs were made to this building and to the master clock system and minor stoker replacements were made.

*Normal School, Hamilton:*

Minor repairs, as required, were made to this building; repairs were made to the programme clock system and the temperature controls were overhauled.

An unused steam engine was removed and given to the Re-Establishment Institute, Toronto, for teaching purposes.

New grates were installed in the heating boiler and the water main in the engine room repaired.

*Normal School, North Bay:*

Minor repairs, were made to this building, including repairs to plumbing, piping and a new radiator installed in basement, replacing pipe coils. The flag pole was taken down and painted. A safe was provided for the Principal's office.

*Normal School, Peterborough:*

Minor repairs, generally, were made and in addition, a new motor drive was installed on the ventilation system to allow ventilating fan to be operated when steam plant is not in use. Classrooms No. 1 and No. 4, the main hall and entrance vestibules, and the hall on the second floor were painted.

The ash hoist was overhauled and new drains installed in this area.

Boiler repairs were carried out, including installation of 58 new tubes.

*Normal School, Stratford:*

Routine repairs made at this building: included repairs to the main stair-case and, in addition, the large storage cabinet in the sewing room was removed and rebuilt to provide smaller portable cabinets for the other classrooms. The fixed seats in the Assembly Hall were removed and reassembled in groups of four, to allow for their easy removal so that this room could be used for other purposes, as required. The floor of the Assembly Hall was repaired.

Boiler No. 2 was completely retubed, repairs made to the firebrick linings and the fire door arches were rebuilt. General repairs were made to the heating system and temperature controls.

*Ontario School for Deaf, Belleville:*

The restoration work undertaken by this Department, following the return of this Institution by the Dominion Government to the Province on July 15th, 1944, was, for the most part, completed. The guard house left by the R.C.A.F. at the entrance gates was disposed of and the grounds restored.

A model domestic science suite was installed, including: four model kitchens, laundry, living and bedroom units for teaching purposes.

The hallways and main kitchen in the school building were painted, 10 new ironing boards were provided for the laundry, and a new reversing switch installed in the washing machine.

In addition, general routine repairs, as required, were carried out, including renovation of stokers and the installation of a new refractory front wall in No. 3 boiler.

*Ontario School for Blind, Brantford:*

General routine repairs were made at this School and the programme clocks were repaired and adjusted.

Extensive repairs and renewals were made to window shades in classrooms, repairs to heating system, included rebuilding of No. 3 boiler front, repairs to stokers and renewal of 200 radiator traps.

*Ontario Technical Teachers' Training College, Hamilton:*

The restoration work at the College, following its return to the sole use of the Department of Education, after joint use with the Dominion Government, for the most part was completed and during this fiscal year, routine general repairs were made, as required.

*Provincial Institute of Mining, Haileybury:*

The former, town-owned, Mining School building and land at Haileybury was purchased by this Department on September 17th, 1945, and the premises turned over to the Department of Education for operation as a Mining Institute.

## AGRICULTURAL BUILDINGS

*Ontario Agricultural College, Guelph:*

As noted in my previous annual report, the portion of the premises and buildings at this College, which had formerly been on loan to the Department of National Defence, were returned to the use of the Province as of February 19th, 1945. After this date, the work of restoring the building and grounds to their former condition, as required to meet the needs of the College, was undertaken by this Department, after completion of arrangements, under the agreement with the Dominion Government whereby the cost of such restoration was reimbursed to the Province.

The work of restoration was carried on during the year, limited only by material and labour supply conditions, and at the end of the financial year, the work was completed, or substantially completed, in the following buildings:

Administration and Students' Residence.

MacDonald Hall.

MacDonald Institute

Mills Hall

Watson Hall

Maids' Dormitory

Trent Institute

Ault Farm

Skating Rink

To cope with a greatly increased post-war student enrolment, the Department of Agriculture made an urgent request for widespread extension of acco-

modation, of a temporary nature, in all main departments of the College, including student dormitory accommodation, and this work was undertaken by the Department of Public Works. Some progress was made before the end of this financial year, but, as in the case of the restoration work referred to above, this work was also limited by the general shortage of labour and materials.

The work under this heading, included:

A former R.C.A.F. outstation building was altered to provide new accommodation for the Bacteriological Department of the College.

A large addition to provide greatly increased laboratory and classroom facilities for the Chemistry Department was started.

A large laboratory and classroom addition to the Soils Building was started.

A start was made on the work of converting previously unused spaces in Mills Hall and the Horticultural Building, to obtain the much needed added residence accommodation for students.

In addition to the foregoing items of restoration work, alterations and extensions, this Department also carried out general maintenance and repair and replacement work in all branches of construction on the various buildings of the College, beyond the scope of the staff maintenance mechanics at the College.

#### *Ontario Veterinary College, Guelph:*

Increased accommodation at this College was requested to meet the needs of greatly increased student enrolment, and in this case, permanent extensions were considered necessary. Plans and specifications were prepared, contracts awarded and the work started on a large three-storey addition, of fire-resisting construction, to the Main College building; considerable alteration and renovation work in the present building is also included in the programme. The accommodations of all departments of this College will be much enlarged and improved by these operations.

Construction work was also started at this College, on the following new outbuildings:

A new Hog Clinic, with special equipment for heating and ventilation to permit isolation of each pen.

A new building for fox and mink.

A new laboratory building with separate laboratories for poultry and small fur-bearing animals.

In addition to the foregoing, general routine repairs were made to the existing buildings.

#### *Agricultural School, Kemptville:*

The restoration work, following return of this School to the Province from the Dominion Government, was substantially completed during the financial year, and other general improvements and repairs made, including installation of a new dishwasher in the main kitchen, a new extractor in the laundry, and general overhaul of the lock and keying system.

New roofs were applied on four staff houses and repairs were made to slate roofs of main building.

*Experimental Farm, Ridgetown:*

Routine repairs were made to various buildings as required.

*Demonstration Farm, Hearst:*

A small parcel of land which protruded into the Demonstration Farm area was purchased, to complete the block of property.

*Horticultural Experiment Station, Vineland:*

The new sewage disposal system started in the previous fiscal year, was completed and connections made to the various buildings, replacing the old and obsolete separate septic tanks.

Construction work on the proposed Horticultural Products Processing Laboratory Building was postponed, owing to the urgent need for building materials for housing purposes.

Routine general repairs were made to the various buildings, including heating and plumbing repairs and repairs to roofs. A new hot water boiler was installed in the Kelley Cottage and kitchen cabinets and other shelving were built in the boarding house.

*Demonstration Farm, New Liskeard:*

General repairs were made to the various buildings.

## DISTRICT BUILDINGS

*Algoma:*

*Court House, Sault Ste. Marie.* Routine repairs were made, including repairs to chimney brickwork.

*Gaol, Sault Ste. Marie.* Routine repairs were made. Nine new prison locks were installed on the exterior doors and a safety screen installed in the visiting room.

*Cochrane:*

*Court House, Cochrane.* Routine repairs were carried out.

*Lock-up, Hearst.* Minor repairs were carried out.

The Constables' quarters were enlarged by the addition of one bedroom and clothes closets.

*Lock-up and Office Building, Matheson.* Routine repairs were made.

*Kenora:*

*Court House, Kenora.* Routine repairs were carried out.

*Gaol, Kenora.* Routine repairs were made, metal weather stripping was applied to windows and exterior doors, a vault door, removed from the Court House, North Bay, was built in to provide a vault for gaoler.

*Gaoler's Residence, Kenora.* Routine repairs were made.

*Government Office Building and Lock-up, Sioux Lookout.* Routine repairs were made, including redecorating of about 75% of the interior of the building.



*Manitoulin:*

Routine repairs were made at the Gaol and some minor alterations carried out to allow this building to be used as a lock-up by the Provincial Police.

*Muskoka:*

*Court House, Bracebridge.* Routine repairs were carried out, including new linoleum laid in Police Office and Clerk's Office.

*Gaol, Bracebridge.* Routine repairs were made, including repairs to roof. A canopy was erected over the side entrance and safety screens provided for gaol winds.

*Registry Office, Bracebridge.* Routine repairs were made.

*Nipissing:*

*Court House, North Bay.* General routine repairs were carried out, as required.

*Gaol, North Bay.* Routine repairs were made and a safety screen purchased for later installation in the visiting room.

*Registry Office, North Bay.* Routine repairs were made.

*Parry Sound:*

*Court House, Parry Sound.* Routine repairs were made.

*Gaoler's House, Parry Sound.* Routine repairs were made.

*Lock-up, Burk's Falls.* Routine repairs were made.

*Rainy River:*

*Court House, Fort Frances.* Routine repairs were made, including repairs to plaster work in Court Room and four offices.

*Gaol, Fort Frances.* Routine repairs were made and safety screens installed on gaol windows.

*Lock-up, Atikokan.* A four-room cottage was purchased and moved to a site adjoining the Lock-up, to provide living quarters for the Constable, a bedroom and office were added.

*Sudbury:*

*Court House, Sudbury.* General routine repairs were carried out. Three rooms were fitted out for Juvenile Court and Offices, the work included plaster-work, mastic tile floors, new lighting, new furniture and a raised dais for the Judge.

*Gaol, Sudbury.* Routine repairs were made and alterations carried out to provide a visiting room with safety screen.

*Registry Office, Sudbury.* Routine repairs were made.

*Temiskaming:*

*Court House, Haileybury.* Routine repairs were made.

*Gaol, Haileybury.* Routine repairs were made.



*Lock-up, Elk Lake.* Routine repairs were made.

*Lock-up, Englehart.* Routine repairs were made and the exterior of the building painted.

*Mining Recorder's Office, Swastika.* Routine repairs were made.  
*Thunder Bay:*

*Court House, Port Arthur.* General routine repairs were carried out and a general programme of renovation was started, including, extensive replastering work, improvements to electric lighting system, Venetian blinds provided for large Court Room windows and additional office space was provided for the Registrar.

*Gaol, Port Arthur.* Routine repairs were made and 64 new prison locks were provided and installed.

*Registry Office, Port Arthur.* Routine repairs were made.

*Registry Office, Fort William.* Routine repairs were made.

### ONTARIO HOSPITALS

#### *Ontario Hospital, Brampton:*

This Institution, as noted in my previous report, is still on loan to the Department of National Defence and its occupancy was continued during this fiscal year.

#### *Ontario Hospital, Brockville:*

General routine repairs were carried out, including some roof repairs and repairs to greenhouse.

Alterations were made to the former Hydro-Therapy units to provide medical examination rooms in each admission ward, and a former storeroom on the main floor of the main building was fitted out for the same purpose.

An order was placed for a new stainless steel pasteurizing machine.

#### *Ontario Hospital, Cobourg:*

General routine repairs were made, including extensive repairs to roofs of Patients' Dininghall, Dormitories 3, 4, 5 and 6 and connecting passageways, eavestroughing and downpipes were replaced and a new roof was laid over the pump house.

#### *Ontario Hospital, Fort William:*

Routine repairs were made and the incoming Hydro power line was renewed to improve power distribution.

The kitchen in the Superintendent's Residence was completely remodelled.

#### *Ontario Hospital, Hamilton:*

General routine repairs were made, including extensive repairs to roofs, eavestroughing and downpipes on the buildings, generally. The underground water supply pipe to two staff residences at the main entrance was renewed and a new hot water heating system was installed in the Chief Attendant's Resi-

dence, replacing the old stove heating. A large chimney on the East House was removed and the roof repaired. New steel suspensions were installed for Boilers Nos. 5 and 6 and a new safety valve provided for No. 6 Boiler.  
*Ontario Hospital, Kingston:*

(*Rockwood*). General routine repairs were carried out, including repairs to roof of Superintendent's Residence, which required extensive remodelling of cornices to eliminate further deterioration at old built-in gutters. An unused chimney at the main kitchen was taken down and kitchen ventilation was improved by installation of two exhaust fans.

Three new fire escapes were erected on the Nurses' Residence and one at the Assembly Hall in the main building; exit doors were provided, leading to these escapes and proper exit illumination was installed. Stairways were renewed in the New Court Cottage and the Vocational Building. The Power House chimney stonework was repointed and extensive repointing done on building stonework generally.

A reconditioned steam boiler was provided for the Piggery. A new hot water tank was installed in the pump house and the layout of this room generally revised to allow for improved servicing arrangements. A new water softening unit was provided for the laundry, replacing an old worn out unit

(*Mowat*). Routine repairs were made and a new hot water tank was installed in the heating plant and the piping revised.  
*Ontario Hospitals, Langstaff and Concord:*

*At Langstaff*—General routine repairs and renewals were made, including repairs to roofs. The cold storage room in the main kitchen was renovated including new cork insulation and plaster interior finish.

Defective tubes were removed and replaced with new tubes in the piggery boiler.

*At Concord*—General routine repairs and renewals were carried out, including renovation of cold storage room. The sewage disposal plant was completely overhauled, including renovation of building.

*Ontario Hospital, London:*

Routine repairs were made and new roofs were laid over two sunrooms in Examination Building and over Ward 4 of the Main Building.

Safety valves on Boiler No. 6 were overhauled.

*Ontario Hospital, New Toronto:*

General routine repairs were carried out, including repairs to eavestroughing and downpipes generally throughout the patients' buildings. Unused chimneys were removed from Cottage 5 and the roofs repaired. Alterations were made to the Administration Building, to provide separate consultation offices for medical staff. An underground pipe trench was built between the main group of buildings and the Superintendent's Residence; steam and return piping installed and the residence heated from the central boiler plant. A new bathroom was installed in the Superintendent's Residence, replacing obsolete fittings and fixtures. A survey was made of the sanitary and storm water drainage systems and storm water pipes found to be connected to the sanitary drains, were diverted to the storm drain system.

A complete set of dry tubes were installed in No. 2 boiler.

*Ontario Hospital, Orillia:*

General routine repairs were carried out, particularly to brickwork, plaster-work, eavestroughing and down pipes throughout the Institution.

The new 300-bed hospital unit, mentioned in my previous report, was completed during this fiscal year and turned over to the Department of Health on September 1st, 1945.

Plans were prepared and work started on a 30-stall addition to the cow stable to provide for the milk needs for the new 300 bed unit. Two new bull pens were built into the former root storage space and separate exercising yards erected.

Plans were prepared for remodelling the old natural ice cold storage rooms at the central stores, and a mechanical refrigeration system was installed complete with ice-making unit.

New roofs were laid over the Piggery and one-half of the Infirmary Building.

Three new stop and check valves were provided for steam boilers.

*Ontario Hospital, Penetanguishene:*

Routine repairs were made, including repairs to the roofs of staff houses. A new storm drain was laid in the farmyard.

*Ontario Hospital, Port Arthur:*

Routine repairs were carried out as required.

*Ontario Hospital, Toronto (999 Queen Street West):*

General routine repairs were carried out and a new bathroom was installed in the Superintendent's Apartment in the Main Building.

A new hot water storage tank was installed in the boiler plant.

*Psychiatric Hospital:*

General routine repairs were carried out by Parliament Buildings' staff Mechanics.

*Ontario Hospital, Whitby:*

General routine repairs were made, including extensive repairs to tile roofs, roofs were laid over parts of Infirmary Building and on Grove House. Repairs were made to sidewalks at Women's Cottages and Administration Building.

*Ontario Hospital, Woodstock:*

General routine repairs were made, including extensive repairs to plaster-work.

*Ontario Hospital, St. Thomas:*

Arrangements were made during the fiscal year for the return of this Institution to the Province from the Department of National Defence. In this case, the work of restoration was undertaken by the Dominion Government and the buildings taken over progressively as the restoration work was completed in each unit.

General routine repairs were carried out in the buildings as taken over by

the Province and orders placed for furniture, furnishings, laundry equipment and other items of equipment required to re-equip this Hospital for use by the Department of Health.

The work of repointing exterior stonework started the previous year, was continued during this fiscal year.

## EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Generally, plans were examined and recommendations forwarded to the Department of Health in connection with new construction, alterations and additions to General Hospitals, Hospitals for Incurables, Red Cross Hospitals, Sanatoria and Private Hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

### *General Hospitals:*

Arnprior.....	Hospital
Brampton.....	Peel Memorial
Chesley.....	Memorial Hospital
Collingwood.....	General and Marine Hospital
Cornwall.....	General Hospital
	Hotel Dieu
Fort Erie.....	Winston Hall (Proposed)
Fort William.....	McKellar General and District Hospital
Ganonoque.....	Hospital
Hagersville.....	Air Port (moving army hospital to new site)
Haileybury.....	Misericordia Hospital
Hamilton.....	St. Joseph's Hospital
Kingston.....	General Hospital
	Hotel Dieu
Kitchener.....	Waterloo Hospital
London.....	Victoria Hospital
Red Lake.....	Madsden Hospital (Proposed)
Newmarket.....	York County Hospital
Niagara-on-the-Lake.....	Niagara Cottage Hospital
North Bay.....	Queen Victoria Memorial Hospital and District Temporary Hospital
Oakville.....	Hospital
Ottawa.....	Salvation Army Grace St. Vincent Hospital
Pembroke.....	Isolation Hospital (Proposed)
Port Arthur.....	General Hospital
Sturgeon Falls.....	St. Jean de Brebeuf
Southampton.....	General (Proposed)
Toronto.....	Queen Elizabeth Hospital Welesley Hospital Hospital for Sick Children Runnymede Hospital
Winchester.....	Hospital (Proposed)
Windsor.....	East Windsor Hospital



*Private Hospitals:*

Campbellford.....	Mrs. F. I. Peters (Proposed) Campbellford Private Hospital
Central Patricia.....	Central Patricia Gold Mines
Cobourg.....	Brookhurst Convalescent
Creemore.....	Mrs. Beacon (Reg.N.) (Proposed)
Deep River.....	Deep River Private Hospital
Dundas.....	Wentworth County Rest Home
Elmira.....	Turner Private Hospital
Favourable Lake.....	Berens River Mines Private Hospital
Geraldton.....	Little Long Lac Private Hospital
Havelock.....	Havelock Private Hospital
Hawkesbury.....	Dr. Kelly's Private Hospital Dr. Smith's Private Hospital Asylum of Good Shepherd
Kemptville.....	Mrs. Grigsby (Reg.N.) (Proposed)
Leamington.....	Leamington District Memorial
Little Britain.....	Little Britain Private Hospital
London.....	Rogers Private Hospital Karendale Mannor (Proposed)
Marathon.....	Wilson Memorial
Markdale.....	Markdale Private Hospital
McKenzie Island.....	McKenzie Red Lake Gold Mines
Meaford.....	Meaford Cottage (Proposed)
Midland.....	Midland Convalescent
Milton.....	Milton Private Hospital
Moosonee.....	Assumption Private Hospital
Napanee.....	Campbell Nursing Home
Orillia.....	Hillcrest Private Hospital
Oakville.....	Oakville and District Private Hospital
Pickle Crow.....	Pickle Crow Gold Mines Private Hospital
Port Perry.....	Port Perry Private Hospital
Red Lake.....	Red Lake District (Proposed)
Sarnia.....	Carruthers Clinic Private Hospital
Smooth Rock Falls.....	Smooth Rock Falls Private Hospital
St. Catharines.....	Bellevue Convalescent
St. Thomas.....	Hopewell Convalescent (Proposed)
Stayner.....	Marybrook Rest Home (Proposed)
Stouffville.....	Brierbush Private Hospital
Sutton West.....	Sutton Private Hospital
Thorold.....	Maplehurst Private Hospital
Toronto.....	Albany Private Hospital Dewson Lodge Private Hospital Huntley Street Nursing Home St. Marys Private Hospital Dr. Shouldice's Surgery
Van Kleeck Hill.....	Van Kleeck Hill Private Hospital
Waterford.....	Waterford Private Hospital
Whitby.....	Whitby Private Hospital

*Sanatoria Hospitals:*

Fort William.....	Fort William Sanatoria
Kingston.....	(Proposed site)
London .....	Queen Alexandra



Ottawa.....	Royal Ottawa
St. Catharines.....	Niagara Peninsula
Weston.....	Weston Sanatorium

*Red Cross Hospitals:*

Bancroft.....	(Proposed)
New Liskeard.....	(Proposed 37 bed)
Warton.....	(Proposed)

## ONTARIO REFORMATORIES

*Andrew Mercer Reformatory Toronto:*

Routine repairs were made, including repairs to cavestroughing and down-pipes and the electric lighting was improved in the Bursar's Office and stores.

*Ontario Reformatory, Mimico:*

Preliminary sketches and studies were made of the Brick Making Plant and equipment in preparation for its complete overhaul and modernization, to increase the quality and production rate, as required to meet the needs of this Department's future building programme.

A new walk-in refrigerator with mechanical refrigeration was installed in the main kitchen.

*Ontario Reformatory, Monticith:*

This Institution, as noted in my previous report is still on loan to the Department of National Defence and its occupancy was continued during this fiscal year.

*Industrial Farm, Burwash:*

Co-operation was given to the Superintendent of this Institution in the matter of their building programme, which included the erection of staff residences built from plans previously prepared by this Department.

*Ontario Reformatory, Guelph:*

The farm lands at this Institution were extended by the purchase of a 100-acre farm lying to the northeast of the present Reformatory property.

## ONTARIO TRAINING SCHOOLS

*Boys' Training School, Bowmanville:*

The buildings and lands of this School were vacated by the Dominion Government during this fiscal year and the restoration work required to be carried out prior to their return to the Province was undertaken by the Dominion Government. The School, however will not be returned to the use of the Province until restoration work has been completed.

The Department of Public Works carried out repairs to the flat roofs over the main school buildings, the Herdsman's house and the Engineer's house.

Alterations were made to the Superintendent's House to improve the bedroom arrangements.

*Boys' Training School, Galt Division:*

This School (formerly known as the Girls' Training School, Galt) was returned by the Department of National Defence to the use of the Province on April 20th, 1945, and the work required to adapt the buildings for use as a Boys' School was undertaken during this fiscal year.

*Girls' Training School, Cobourg:*

General routine repairs were carried out, including repairs to roofs generally, and a new sewage disposal bed was laid at the former Haas residence. Wire guards were installed on gymnasium windows.

Fire escape stairs were erected on the former McCook and Haas Residences and a new Hydro service was brought into these residences.

## DEPARTMENT OF HIGHWAYS BUILDINGS

Co-operation was given to the Department of Highways in the matter of the preparation of working drawings and specifications for new Highways' buildings, and alteration to existing Highways' buildings. Supervision of the erection of these buildings was also undertaken by this Department and inspections were made of divisional headquarters and other buildings in connection with alteration work as required.

During this fiscal year, working drawings and specifications were prepared and the work supervised in connection with:

A new paint shop and laboratory building at Leaside.

A new snowplow shed for two plows at Pembroke.

## ONTARIO GOVERNMENT OFFICE BUILDINGS

*Ontario Government Building, Kingston:*

Minor repairs were carried out at this building, including repairs and replacements to heating, plumbing and electrical systems.

*Ontario Government Building, New Liskeard:*

Minor repairs were made to this building, the office of the Public Health nurse was redecorated and a small storage cupboard provided. The heating system was repaired and replacements made, as required.

## DRAWINGS AND REPORTS PREPARED AND OTHER WORK RENDERED FOR THE VARIOUS DEPARTMENTS OF THE GOVERNMENT

In addition to the preparation of working drawings and specifications required for the various items of work carried out by this Department and recorded hereinbefore, the following items of work, of a special nature, and for projects not proceeded with during this fiscal year, are listed as a matter of record:

*For Department of Lands and Forests:*

Working drawings were prepared for a Superintendent's Residence and a workshop and garage at the Forestry Research Station, Maple, and supervision

of the construction of these buildings, and a Files Storage Building at the same location was provided.

Sketch plans were prepared for a Fish Culture Laboratory Building, also at Maple.

Sketch plans were prepared for a large extension to the Air Service Division Hangar Building at Sault Ste. Marie and included, extensions to workshops, fabric shop, heating plant and other departments at the Station. A new engine test house was also studied.

Sketch plans were prepared for new entrances and gate lodges at east and west approaches to Algonquin Park.

*For Department of Agriculture:*

A site for the proposed Food Terminal Warehouse at the westerly approach to the City of Toronto was purchased.

Sketch plans were prepared for a proposed new Students' Dormitory building at the Agricultural School, Ridgetown.

Working plans were prepared for a potato storage building for the Cochrane District.

Working drawings were prepared for the following buildings and other work at the Ontario Agricultural College, Guelph:

New steam generating unit for Power Plant and

Extensions to chimney and coal hopper and conveyor system.

Sketch plans were prepared for the following proposed building work at the Ontario Veterinary College, Guelph:

Autopsy and Incinerator Building.

Residence for Principal.

Sketch plans were prepared for proposed conversion of R.C.A.F. Hangar at Cayuga to suit requirements of Rural Youth Training Centre.

Plans were examined and reported upon for proposed Community Centre at Port Lambton.

*For Department of Attorney-General:*

Working drawings were prepared for the following:

Alterations to Court House, Kenora.

Alterations to Court House, Port Arthur.

New Lock-up and Magistrate's Court Room, Red Lake.

Addition to Lock-up, Hearst.

*For Department of Education:*

Plans were examined and reported upon for:

Addition to Collegiate and Vocational School, Kirkland Lake.

Addition to Collegiate and Vocational School, Welland.

Leases were drawn up for rented accommodation in the Canadian Car and Foundry premises at Fort William and Canadian National Railway Building at London, as required for the Canadian Vocational Training Centres at these points.

*For Department of Health:*

Sketch plans were prepared and working drawings started for a proposed new Hospital for Mental Defectives for Eastern Ontario.

Sketch plans were also prepared for the following:

Health Department Laboratory, Timmins.

Health Department Laboratory, Sault Ste. Marie.

Health Department Laboratory, Windsor.

Typical X-ray Department layout.

New lavatories for attendants, Ontario Hospital, Toronto.

Typical health centres for elementary schools.

Typical plans for mental hospitals.

Working drawings were prepared for the following:

New underground Hydro-Electric service, Ontario Hospital, New Toronto.

Standard detail for Serological bath, Health Laboratories.

New lighting system for Health Laboratories, Ontario Government Building, Kingston.

*For Department of Highways:*

Working drawings were prepared for the following:

Garage and workshop, Stratford.

New lighting, Divisional Offices, Chatham.

*For Department of Legislation:*

Revised seating plans were prepared for House Galleries.

*For Department of Labour:*

Sketch drawings were prepared for the Factory Inspection Branch for use in connection with investigation into explosion in grain elevator at Port Arthur.

*For Department of Prime Minister:*

Departmental organization charts were revised as required and photostatic copies arranged for.

*For Department of Provincial Secretary*

Working drawings were prepared for the following:

Alterations to boiler room, Ontario Reformatory, Mimico.

New boiler settings, Ontario Reformatory, Mimico.

Sketch plans were prepared for the following:

Alterations to Triple Dormitory Building, Boys' Training School, Bowmanville.

Alterations to Cottage C, Boys' Training School, Galt.

Alterations and modernization of the brick and tile making plant, Ontario Reformatory, Mimico.

Plans were examined and reported upon for new buildings at St. Joseph's Training School, Alfred.

*For Department of Provincial Treasurer:*

#### PROVINCE OF ONTARIO SAVINGS OFFICES

Co-operation was given in the usual manner to the Head Office management of the Savings Offices in the matter of general routine maintenance and repair work at the branches where such work was requested and renewals of expiring leases were negotiated and arranged as directed.

*For Department of Welfare:*

Sketch plans were prepared for study purposes for a proposed Home for the Aged.

Inspections were made of heating systems at Day Nurseries at Parliament Street, Weston Road and Dawes Road in Toronto District.

#### BOILER INSPECTIONS

The boiler inspection work of this Department was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of World War II, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Department of Health and Provincial Secretary, respectively, for their attention in the matter of making repairs recommended.

The recommendations contained in these reports regarding plants in all the other building groups, referred to in this section, were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

*Chief Architect.*

Toronto, March 31st. 1946.



## REPORT OF THE ENGINEER

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,

*Minister of Public Works.*

Parliament Buildings.

SIR :

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1945, to March 31, 1946.

As usual, all work was done by day labour under local foremen employing local men wherever possible.

The maintenance of locks, dams, docks and navigable channels was carried out. The south Dollars Dam was built in concrete. Drainage work was done in nine districts. Aid was granted to five drainage schemes under the Provincial Aid to Drainage Act.

Maintenance work was as follows :

*Buoys :*

All buoys on navigable channels taken out by ice and spring floods were replaced to make channels safe for navigation.

*Port Carling Locks :*

A lot of the planking in the docks at the locks was very badly decayed and unsafe. This was renewed with new 3" plank. Some repairs were also made to the locks to put them in proper working order.

*Bala Dams :*

The decks of these dams were badly decayed and unsafe. New 2" plank was put in to replace the decayed timber.

*Deer Lake Dam :*

This old timber dam was leaking badly due to the decayed condition of the timber in it. Wooden sheeting was driven along the face of the dam and gravel was placed against this sheeting to stop this leakage.

*Clearwater Lake Dam :*

This dam is in the Rainy River District and backs water up on a chain of lakes to provide navigation for tourists and for commercial purposes. It is an old timber dam, and the upper part had become badly decayed and it was liable to be washed away by the spring floods. This would have caused considerable damage to cottages on the lower lakes as well as ruining the navigation above.

The decayed timbers were removed and new timbers put in. Some new sheeting was put on the face of the dam and gravel put in to stop any leakage through it. It will now be safe for several years.

*Pickeral River Dam :*

This is a concrete dam, and there is an earth dam on a ravine to the

west of the main dam which had partly washed away and was liable to ruin navigation on the lakes above. This earth dam was strengthened by filling in on the upper face with earth and gravel so that it is now safe.

#### *Dollars Dam :*

Last year the concrete dam on the north channel of the Pickerel River was completed. This year a concrete dam was built on the south channel to replace the old timber dam which had become badly decayed and unsafe.

This dam is 65 feet long at the top and 25 feet high at the centre. It is built on solid rock. It has a sluiceway 18 feet wide by 10 feet deep which is provided with 12" x 12" timber stop logs to control the water level. Winches are provided to handle the stop logs. It has a timber deck 16 feet wide extending all across the top to enable workmen to operate the stop logs.

These dams make navigation possible on the Pickerel River from Loring to the dams, a distance of about 30 miles. This is a very scenic route for tourists, and the fishing and hunting are excellent on these waters.

#### *Municipal Drainage :*

Drainage work was carried out in the following districts: Addington, Parry Sound, Nipissing, Victoria and Haliburton, East Simcoe, North Renfrew, South Renfrew, Peterborough, and Sudbury.

#### *Provincial aid to Drainage :*

#### *Holland Marsh Drainage Scheme :*

This scheme comprises about 7,000 acres of low-lying land which is too low for natural drainage and so has to be drained by embankments and pumping. The scheme was started over twenty years ago, and the two pumps had become badly worn and inefficient, so it was decided to install two new pumps. Two new Pomona centrifugal pumps were installed, one of 30,000 Imperial gallons per minute driven by a 100 h.p. electric motor and the other of 15,000 gallons per minute driven by a 50 h.p. electric motor. The motors are of the vertical type, directly connected to the shafts of the pumps, thus eliminating any belts or gears.

New intake flumes and pump wells were built of reinforced concrete, and these serve as a foundation for the pump house, which is 16 feet by 32 feet. The pump house is of frame construction, lined on the inside with V-sheeting and on the outside with one-inch lumber covered with cedar grain asbestos shingles. The walls are insulated with rock wool. The roof is covered with asbestos shingles, and the floor is of reinforced concrete.

The dykes surrounding the marsh had settled, thereby endangering the marsh to flooding during spring floods. These dykes were built up to make them safe against floods.

All this work was examined and found to be completed in a very satisfactory manner.

The total cost of the work was \$32,421.06 and on a report of a grant of \$6,484.21, being 20% of the cost, was paid to the Township of West Gwillimbury, in accordance with the Provincial Aid to Drainage Act.

*Burke Drainage Works, Harwich Township:*

This is a pumping scheme in which about 1,500 acres of low-lying land is drained by embankments and pumping. It is situated on the north shore of Lake Erie, and the embankment along the lake shore has been a source of trouble and expense since the scheme was started in 1914.

In the spring of 1943 the high water of the lake and the wave action broke through the embankment and a lot of emergency repair work had to be done to prevent flooding the whole area. Mr. George A. McCubbin, Civil Engineer, of Chatham, was consulted and the embankment was repaired according to his report, plans and specifications.

In 1930 a timber sea wall was built for a distance of 3,000 feet along the shore at the east end of the dyke. Groynes were built from this wall extending 50 feet out into the lake and spaced 50 feet apart. The sea wall and groynes were built by driving timber piles 6 feet apart, bolting 6" x 8" walings to the piles and driving 6" sheet piling along the walings. During the high water of the lake in the spring of 1943 most of this sea wall proved to be too low, and Mr. McCubbin recommended raising it and the groynes 20 inches higher for a distance of 2,000 feet. This was done by driving new round piles half-way between the old piles and bolting 6" x 8" longitudinal timbers to the new piles. Three new groynes were built to the west of the sea wall and were similar to the old one.

In addition to the work done on the sea wall a new pump house was built and a new Pomona centrifugal pump of 30,000 Imperial gallons per minute driven by an International Harvester Co. Diesel engine of 120 h.p. was installed. The pump house is 16 feet by 22 feet, built of concrete blocks, resting on a concrete foundation with metal roof.

The total cost of all this work was \$39,519.29. The work was examined and found completed in a satisfactory manner. On report a grant of \$7,903.86, being 20% of the cost of the work, was paid to the Township of Harwich.

*McGregor Creek Drain, Howard Township:*

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of deepening and widening the old drain from King's Highway No. 21 between lots 12 and 13 just north of the 5th Concession road westerly across lots 12 to 1, Concession 5, Howard Township, then crossing into Harwich Township and continuing west to lot 21, Concession 12 in that Township. The total length of drain improved was a little over 7 miles. It was widened to a bottom width of 4 feet at the upper end, gradually widening to 24 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes were 1 to 1.

The cost of this work was \$17,642.00. The work was examined and found completed in a satisfactory manner and on report a grant of \$3,528.40, being 20% of the cost, was paid to the Township of Howard.

*Little Bear Creek Drain, Camden Township:*

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of deepening, widening and straightening the old

drain from the boundary road between Camden and Zone Townships on lot 3, westerly across Camden Township to lot 1, Concession 6, a total distance of 7 miles. It was widened to a bottom width of 4 feet at the upper end and 14 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes are 1 to 1.

The cost of the work was \$11,579.00. The drain was examined and found completed in a satisfactory manner. On report a grant of \$2,315.80, being 20% of the cost, was paid to the Township of Camden.

*Duck Creek Drain, Rochester Township:*

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. C. B. Allison, Civil Engineer, of Belle River, Ontario.

The repairs consisted of cleaning out the old drain by deepening and widening it from the line between lots 29 and 30, Concession 2, north of Lake St. Clair, a distance of a little over  $4\frac{1}{2}$  miles. It has a bottom width of 3 feet at the upper end, gradually widening to 25 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes are 1 to 1.

The cost of these repairs was \$19,957.77. The work was examined and found completed in a satisfactory manner, and on report a grant of \$3,991.55, being 20% of the cost, was paid to the Township of Rochester.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER.

*Engineer of Public Works.*

Toronto, March 31, 1946.





---

**S T A T E M E N T S**  
**of the**  
**A C C O U N T A N T**  
**of**  
**Public Works Department**  
**1945-1946**

---

Department of Public Works, Ontario.  
TORONTO, March 31st, 1946.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,  
*Minister of Public Works.*

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works during the fiscal year which ended on the 31st of March, 1946.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

*Secretary and Accountant.*

SUMMARY OF EXPENDITURE  
FOR FISCAL YEAR APRIL 1st., 1945 to MARCH 31st., 1946

SERVICE	ORDINARY	CAPITAL	TOTAL
Main Office—Administration expenses, etc.....	\$ 161,537.34		\$ 161,537.34
Maintenance and Repairs—Government Buildings	825,454.52		825,454.52
Public Works — Maintenance.....	15,013.76		15,013.76
Public Buildings .....		\$413,731.52	413,731.52
Public Works .....		12,991.55	12,991.55
Miscellaneous .....		25,000.00	25,000.00
Statutory — Drainage Aid.....	24,223.82		24,223.82
Special Warrants .....	7,386.09		7,386.09
TOTAL NET EXPENDITURE.....	\$1,033,615.53	\$451,723.07	\$1,485,338.60

STATEMENT OF REVENUE

Commission on telegraphs and telephones.....	\$ 4,056.65	\$ 4,056.65
Sale of materials.....	2,332.64	2,332.64
Sale of produce and stock.....	28,294.20	28,294.20
Rentals .....	29,059.42	29,059.42
Perquisites .....	1,986.00	1,986.00
Building equipment.....	215.75	215.75
Miscellaneous .....	106.20	106.20
Compensation from Dominion Government re- leasing of Provincial buildings for war pur- poses .....	173,648.00	173,648.00
Refunds — Miscellaneous.....	269.56	269.56
Insurance—Recovery of fire loss in Treasury Department .....	2,635.58	2,635.58
Sale of property.....	100.00	100.00
Contract security deposits.....	18,289.00	18,289.00
	\$242,604.00	\$18,389.00
		\$260,993.00

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE  
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS  
FOR FISCAL YEAR ENDING MARCH 31st., 1946  
ORDINARY

SERVICE	AMOUNT	AMOUNT
MAIN OFFICE:		
Salaries .....	\$91,928.27	
Travelling expenses .....	2,909.12	
Maintenance .....	4,999.84	
Insurance and lightning rods.....	14.20	
Local Improvement taxes.....	333.20	
Unforeseen and unprovided.....	14.57	
Compensation, medical, hospital and other accounts for work- men injured in Government work.....	3,045.41	
Cost of living bonus—entire Department.....	57,370.77	
Unemployment Insurance stamps.....	921.96	
		\$ 161,537.34
GENERAL SUPERINTENDENCE:		
Salaries .....	\$ 13,152.42	
Services, travelling and other expenses.....	5,067.73	
		\$ 18,220 15
LIEUTENANT-GOVERNOR'S APARTMENT:		
Salaries .....	3,365.00	
Maintenance .....	602.42	
LEGISLATIVE AND DEPARTMENTAL BUILDINGS:		\$ 3,967.42

SERVICE		AMOUNT	AMOUNT
Administrative Services—			
Salaries .....		27,021.94	
Telephone Service .....		46,756.09	
Typewriter inspection and repairs—all Departments .....		4,189.54	
Maintenance Staff—			
Salaries—Permanent .....	\$ 60,920.72		
Temporary .....	139,506.69		
Casual .....	40,072.75		
		\$240,500.16	
Maintenance—			
Fuel, light, gas, water and power .....	80,312.38		
Cleaning supplies, upkeep of grounds .....	19,387.70		
Furniture, furnishings and equipment for buildings .....	5,263.79	6,224.94	
		\$104,963.87	
Mechanical Staff—			
Salaries .....		6,224.94	
Repairs and alterations .....		106,736.72	
		536,393.25	
Deduct Rentals .....		3,000.00	
		\$ 533,393.26	
OSGOODE HALL:			
Salaries—Permanent .....	\$11,366.66		
Temporary .....	14,257.70		
Casual .....	3,616.68		
		\$29,241.04	
Maintenance—			
Fuel, light, water and power .....	\$6,773.16		
Furniture, furnishings and equipment .....	45.00		
Telephone service .....	2,790.53		
Cleaning of buildings and incidentals .....	946.52		
General repairs and alterations .....	10,213.54	\$20,768.75	
		\$ 50,009.79	
EDUCATIONAL BUILDINGS:			
Repairs and incidentals—			
Toronto Normal and Model Schools .....	129.26		
London Normal School .....	220.07		
Hamilton Normal School .....	47.19		
Peterborough Normal School .....	1,633.50		
Stratford Normal School .....	371.62		
North Bay Normal School .....	217.18		
School for the Deaf, Belleville .....	3,749.18		
School for the Blind, Brantford .....	888.95		
Ontario Training School for Technical Teachers, Hamilton .....	62.23		
General—To provide for repairs, installation of boilers in Educational Buildings and fire protection .....	3,593.01	\$10,912.19	
To provide for expenses in connection with leasing of the Normal School, Ottawa to the Dominion Government .....		49.99	
		\$ 10,962.18	

SERVICE	AMOUNT	AMOUNT
<b>AGRICULTURAL BUILDINGS:</b>		
Repairs and incidentals—		
Ontario Agricultural College, Guelph.....	\$11,852.19	
Horticultural Experiment Station, Vineland.....	899.95	
Western Ontario Experimental Farm, Ridgetown.....	112.10	
Agricultural School, Kemptville.....	1,681.91	
General—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection .....	365.95	
	<u>\$</u>	14,912.10
<b>TRAINING SCHOOLS:</b>		
Repairs and incidentals—		
Ontario Training School for Girls, Cobourg.....	95.10	\$ 95.10
<b>DISTRICT BUILDINGS:</b>		
Repairs and alterations, furniture and furnishings and improvements to grounds for all District buildings:		
Algoma .....	\$1,068.65	
Cochrane .....	437.25	
Kenora .....	1,744.48	
Manitoulin .....	93.63	
Muskoka .....	512.43	
Nipissing .....	302.11	
Parry Sound .....	178.10	
Rainy River .....	549.04	
Sudbury .....	2,672.36	
Temiskaming .....	385.24	
Thunder Bay .....	18,679.51	
General—To provide for repairs, installation of boilers and heating plants and fire protection.....	3,610.39	
	<u>\$</u>	30,233.19
Salary of Caretaker, Temiskaming.....		1,065.89
Government Building, Matheson—Maintenance.....		5.88
<b>ONTARIO HOSPITALS:</b>		
Repairs and incidentals—		
Brockville .....	472.92	
Cobourg .....	2,340.25	
Hamilton .....	4,149.19	
Kingston .....	11,255.24	
London .....	424.00	
New Toronto .....	6,304.42	
Orillia .....	8,737.02	
Penetanguishene .....	805.83	
Toronto .....	842.92	
Psychiatric, Toronto.....	467.07	
Whitby .....	7,134.63	
Woodstock .....	735.74	
Fort William.....	985.62	
Concord .....	949.63	
Langstaff .....	5,164.72	
Contingencies .....	294.15	
	<u>\$</u>	51,063.35
<b>ONTARIO HOSPITALS (Continued)</b>		
<b>ST. THOMAS:</b>		
To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (Recurring charges recoverable from the Dominion Government, in accordance with Agreement) .....	187.69	
<b>Farm operating expenses—</b>		
Salaries .....	\$ 4,637.92	
Expenses .....	20,214.05	
	<u>\$24,851.97</u>	
	<u>\$</u>	25,039.66



SERVICE	AMOUNT	AMOUNT
<b>ONTARIO REFORMATORIES:</b>		
To provide for expenses in connection with leasing of Reformatories to the Dominion Government for the purposes of National Defence (Recurring charges recoverable from the Dominion Government, in accordance with Agreement)	25.00	
	\$	25.00
<b>PUBLIC WORKS:</b>		
Maintenance—		
Salaries: Lockmasters, Supervising Foremen, etc.....	\$4,988.99	
Repairs to locks, dams, etc. ....	7,379.88	
Equipment .....	34.52	
Maintenance of Hawkesbury-Grenville Bridge.....	2,610.37	
	\$	15,013.76
<b>ONTARIO GOVERNMENT OFFICE BUILDINGS:</b>		
GALT—		
Rental of premises and incidental expenses.....	\$2,772.00	
KINGSTON—		
Maintenance—		
Salaries of Caretakers.....	\$2,208.74	
Cleaning supplies, fuel, electricity, water, repairs and incidentals.....	3,244.74	
	5,453.48	
	\$	8,225.48
<b>MISCELLANEOUS:</b>		
To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the agreements (lump sum payments received from Dominion, as per agreements, deposited as revenue)	\$78,236.07	
	\$	78,236.07
<b>STATUTORY—DRAINAGE AID:</b>		
Townships of—		
Camden .....	\$2,315.80	
West Gwillimbury.....	6,484.21	
Harwich .....	7,903.86	
Howard .....	3,528.40	
Rochester .....	3,991.55	
	\$	24,223.82
<b>SPECIAL WARRANTS:</b>		
Purchase and framing of portrait of Gordon D. Conant, K.C., B.A., LL.B., ex-Prime Minister of Ontario.....	60.00	
Rental and caretaking of leased premises for office accommodation .....	7,326.09	
	\$	7,386.09
<b>TOTAL ORDINARY EXPENDITURE.....</b>		
		<u>\$1,033,615.53</u>

## CAPITAL

SERVICE	AMOUNT	AMOUNT
PUBLIC BUILDINGS:		
General—		
To provide additional accommodation for Government purposes, including construction of new buildings and works, purchase of lands and other expenses in connection therewith.....	\$356,351.74	
		\$ 356,351.74
ONTARIO HOSPITALS:		
General—		
Additions, alterations, equipment and fireproofing.....	22,779.45	
ORILLIA—		
Construction of new Patients' Buildings to provide accommodation for approximately 300 patients and expenses in connection therewith, including purchase of additional land .....	28,599.06	
		\$ 51,378.51
ONTARIO REFORMATORIES:		
Additions, alterations, equipment and fireproofing.....	3,185.63	
		\$ 3,185.63
DISTRICT BUILDINGS:		
To provide for construction of works and buildings, alterations and fireproofing and expenses in connection therewith .....	705.38	
		\$ 705.38
AGRICULTURAL BUILDINGS:		
Horticultural Experiment Station, Vineland — To provide sewage disposal system and increase water supply.....	\$2,110.26	
		\$ 2,110.26
PUBLIC WORKS:		
Municipal Drainage .....	4,418.62	
Storage Dams and Docks.....	8,572.93	
		\$ 12,991.55
MISCELLANEOUS:		
Grant toward the cost of a flood control and drainage scheme known as the Nolins' and Junction Creek Drainage Works in the City of Sudbury.....	25,000.00	
		\$ 25,000.00
TOTAL		
CAPITAL EXPENDITURE .....		\$ 451,723.07

## SUMMARY

ORDINARY EXPENDITURE:		
Main Office and Maintenance and Repairs of Government Buildings .....		\$1,033,615.53
CAPITAL EXPENDITURE:		
Public Buildings and Public Works.....	451,723.07	
		\$1,485,338.60

TORONTO, March 31st., 1946.









**The Twenty-Seventh Report**  
**of the**  
**Department of Labour**  
**Province of Ontario**  
**1946**

Printed by Order of  
**THE LEGISLATIVE ASSEMBLY**  
(Sessional Number 10, 1946)



TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most  
Excellent Majesty  
1946

## TABLE OF CONTENTS

	Page
Factory Inspection Branch.....	5
Board of Examiners of Operating Engineers.....	19
Boiler Inspection Branch.....	22
Conciliation.....	26
Regional War Labour Board.....	28
Industry and Labour Board.....	29
Hours of Work and Vacations with Pay Act, 1944.....	29
Industrial Standards Act.....	31
Apprenticeship Branch.....	33
Minimum Wage Branch.....	42

## APPENDIX

Strikes.....	54
--------------	----

DEPARTMENT OF LABOUR  
PROVINCE OF ONTARIO  
PARLIAMENT BUILDINGS TORONTO  
(EAST BLOCK)  
ORGANIZATION CHART

MINISTER OF LABOUR		
HON. CHARLES DALEY	ROOM	TEL
SECRETARY MRS. K. M. BYRNES	6302	773-4

DEPUTY - MINISTER		
	ROOM	TEL
SECRETARY HELEN DAVIS	6430	580

PERSONNEL - 26

REGIONAL WAR LABOUR BOARD		
CHAIRMAN HON. CHARLES DALEY	ROOM	TEL
ACTING CHAIRMAN HIS HON. JUDGE IAN M. MACDONELL	6406	580
CHIEF EXECUTIVE OFFICER J. B. METZLER	6603	777-9

ADMINISTRATES WITHIN ONTARIO THE  
FEDERAL WARTIME WAGES CONTROL  
ORDER.

PROVINCIAL PERSONNEL - 2  
FEDERAL PERSONNEL - 31  
PER DIEM MEMBERS - 6

WORKMEN'S COMPENSATION BOARD		
CHAIRMAN WILLIAM MORRISON	ROOM	TEL
SECRETARY S. R. JOHNSTON CANADA LIFE BUILDING	AD. 7031	

ADMINISTRATES THE WORKMEN'S  
COMPENSATION ACT.

PERSONNEL - 402

BOARD OF EXAMINERS OF OPERATING ENGINEERS		
CHAIRMAN JOHN SHARP	ROOM	TEL
ADMINISTRATES THE OPERATING ENGINEERS ACT	6674	588-9

PERSONNEL - 14

BOILER INSPECTION BRANCH		
CHIEF INSPECTOR J. N. BRIGGS	ROOM	TEL
	6500	383-4

ADMINISTRATES THE STEAM  
BOILERS ACT

PERSONNEL - 23

FACTORY INSPECTION BRANCH		
CHIEF INSPECTOR DEPARTMENT OF LABOUR J. R. PRAIN	ROOM	TEL
	6505	585-6
EXAMINER OF REPORTS AND DESIGNS C. G. GIBSON	6507	395

ADMINISTRATES THE FACTORY, SHOP  
AND OFFICE BUILDING ACT.

PERSONNEL - 51

INDUSTRY & LABOUR BOARD		
CHAIRMAN & INDUSTRIAL STANDARDS OFFICER ERIC BILLINGTON	ROOM	TEL
	6405	765-6

ADMINISTRATES THE MINIMUM WAGE  
ACT, APPRENTICESHIP ACT,  
INDUSTRIAL STANDARDS ACT  
AND THE HOURS OF WORK AND  
VACATIONS WITH PAY ACT 1944.

PERSONNEL - 9

LABOUR RELATIONS BOARD		
CHAIRMAN JACOB FINKELMAN	ROOM	TEL
ALTERNATE CHAIRMAN P. M. DRAPER		
CHIEF EXECUTIVE OFFICER 15 QUEENS PARK D. W. MATHER	6	774-2

ADMINISTRATES THE LABOUR  
RELATIONS BOARD ACT, 1944

PERSONNEL - 8  
PER DIEM MEMBERS - 7

CONCILIATION SERVICE		
CHIEF CONCILIATION OFFICER & INDUSTRIAL STANDARDS OFFICER LOUIS FINE	ROOM	TEL
	6407	599

PERSONNEL - 4  
FEDERAL PERSONNEL - 6

APPRENTICESHIP BRANCH		
DIRECTOR OF APPRENTICESHIP F. J. HAVES	ROOM	TEL
	6427	592

ADMINISTRATES APPRENTICESHIP  
ACT UNDER DIRECTION OF THE  
INDUSTRY & LABOUR BOARD.

PERSONNEL - 34

MINIMUM WAGE BRANCH		
ACTING CHIEF ENFORCEMENT OFFICER PATTERSON FARMER	ROOM	TEL
	6602	777-9

ADMINISTRATES THE MINIMUM WAGE  
ACT UNDER DIRECTION OF  
INDUSTRY & LABOUR BOARD.

PERSONNEL - 9

DATE	JUNE	1946
TOTAL PERSONNEL OF DEPARTMENT		
DEPARTMENT OF LABOUR (NOT INCLUDING PER DIEM & FEDERAL STAFF)		182
WORKMEN'S COMPENSATION BOARD		402
TOTAL PERSONNEL		584







TO HIS HONOUR

THE LIEUTENANT-GOVERNOR IN COUNCIL

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the twenty-seventh Report of the Department of Labour of the Province of Ontario for the fiscal year ending March 31, 1946.

All of which is respectfully submitted,

CHARLES DALEY,

Minister of Labour.

# ANNUAL REPORT OF THE DEPARTMENT OF LABOUR For the Fiscal Year Ending March 31, 1946

## FACTORY INSPECTION BRANCH

CHIEF INSPECTOR, DEPARTMENT OF LABOUR: J. R. PRAIN

The sixtieth annual report of the Factory Inspection Branch covers the fiscal year ending March 31, 1946. The cessation of hostilities in Europe in May, 1945, and later in the Pacific, showed immediate effect in the industries of Ontario. A lay-off of large numbers of workers in munitions plants followed the removal of pressure in the production of war materials. Consequently the numbers of employees in all industries reported by the inspectors during the fiscal year showed a considerable decrease, as practically all munitions plants were visited during the lay-off period. However, many of these released workers were absorbed later in peacetime production and a great improvement in the employment situation was noted for the last four months of the year.

### INDUSTRIAL HAZARDS

The heavy accident toll, always present in the metal trades and particularly so in war industries, dropped approximately twenty-five per cent during the year. Similar reductions in the numbers of accidents reported were noted in the chemical industry and conveyances and rubber groups, which were active in the production of war materials until recently. On the other hand, increases in accidents were recorded in the pulp and paper trades, woodworking, leather goods and wearing apparel industries, all of which have increased production in the reconversion period.

With the prospect of increased output after the shuffle from wartime to peacetime production is completed and ex-service men have been absorbed back into industry, the need for special care in accident prevention work increases. The inspectors have been instructed to cover their territory in a thorough manner to see that safeguarding practices are maintained and to ensure, if possible, that these men who have survived the hazards of battle may be preserved intact in the peace they have earned for us.

Pressure of production to replace commodity shortages in every line will approach the stress of wartime for an extended period, but the long hours of labour and overtime, which are one of the main causes of the high accident rate, are now restricted by the provisions of The Hours of Work and Vacations with Pay Act, 1944.

### HOURS OF WORK

The results of the administration of this Act were apparent in the hours of work recorded for workers in industry. Approximately 90 per cent of the total number employed in the establishments visited by the inspectors during the year were working not more than forty-nine hours per week, as compared with approximately 50 per cent the preceding year.

With the general reduction in daily and weekly working hours, there was a decided decrease in the numbers of women working under overtime permits later than 6.30 p.m. During the year overtime permits were issued to 530 firms for overtime work for 6,320 women on 8,094 occasions, as compared with 509 firms affecting 14,898 women on 10,516 occasions.

## SPECIAL AUTHORITIES

The policy of issuing special authorities for the employment of women on multiple shifts during the twenty-four hour period was continued during the closing months of the war and authorities for this purpose were issued to thirty-three firms in connection with the employment of 4,415 female workers.

As these authorities were issued to continue effective during the war period and the manpower shortage, and no date of termination was set, it was considered likely that many of these firms had discontinued night shift operations without notifying the Factory Inspection Branch, while others continued night shifts. Accordingly all firms issued with special authorities were informed in writing of their cancellation to take effect March 31, 1946.

The following table indicates the numbers of firms to whom authorities were granted during the war period for the various shifts and the numbers of women affected:

	Shifts	Number of firms	Number of female employees affected
2	8-hour.....	34.....	3,968
2	9-hour.....	51.....	8,512
2	10-hour.....	236.....	33,927
3	8-hour.....	159.....	31,658

A special committee appointed for the purpose considered applications from industries active in essential war production for the extension of working hours for women beyond the limitations of The Factory, Shop and Office Building Act. It is the consensus that the concessions granted under these authorities assisted materially in the war effort of the Province during the dark days of the war.

Consideration has been given to a limited extension of night shifts for women where firms engaged in the manufacture of food products and other essential industries are experiencing difficulty in replacement with skilled male help.

## RESTAURANTS

Ninety-five permits were issued to restaurant proprietors for the employment of female workers over eighteen years of age up to but not later than 2 a.m. While these permits extend the closing hour for employment of women in restaurants, they do not permit an increase in their daily or weekly working hours, which are limited under The Hours of Work and Vacations with Pay Act, 1944.

Special authorities for the employment of women in industrial cafeterias located in factories on night shifts were cancelled as of March 31, 1946, in a manner similar to the cancellation of authorities applying in industry.

## CHILD LABOUR

There was a great decrease in the number of violations of the section of the Act prohibiting child labour. The prosecutions undertaken under this section in the previous year proved effective in curbing the employment of boys and girls under fourteen years of age. Most of these violations occurred during the summer recess from school and in practically every instance incorrect ages were given by the children in order to obtain employment, and proof of age was not required by the employers. These violations were corrected immediately in all cases without recourse to prosecution.

### HOMEWORK

During the year 2,200 permits were issued to homeworkers to undertake the manufacture or assembly of household articles or wearing apparel in their homes, and 501 permits were issued to firms to give out this type of work. To prevent abuses in the matter of wages, the prices paid for this work were approved by the Minimum Wage Branch before permits were issued.

### GENERAL

During the winter the inspectors were called in to the Branch for the usual one-week conference, and opportunity was afforded for thorough discussion of the many problems which confront them in carrying out inspections in their respective districts. In order to ensure more frequent inspections of all industries in the Province, five additional inspectors were appointed and plans are under way to revise territorial boundaries for inspection districts.

Appreciation is again expressed for the efficient services of the staff of the Industrial Hygiene Division of the Department of Health made available to this Department in the prevention of accidents and industrial diseases.

### PLANS FOR BUILDINGS

The Examiner of Reports and Designs approved the plans of 913 new factory, shop and office buildings, or additions and alterations to such buildings during the fiscal year. Their total estimated construction cost amounted to \$33,151,685. During the previous fiscal year 735 projects costing \$17,607,685 had been approved. The number of expansion projects costing more than \$100,000 greatly increased, particularly since the cessation of hostilities.

The graph on page nine depicts the total estimated values of buildings approved by the Factory Inspection Branch during the fiscal years nineteen twenty-seven to nineteen forty-six inclusive.

The increase of this fiscal year over the two preceding years was directly due to the cessation of hostilities and relaxation of building restrictions. The maximum values of the war years and this fiscal year were duplicated only during the nineteen twenty-eight and nineteen twenty-nine fiscal years but many non-productive buildings, such as large office buildings, were erected during the latter period. Thus the productive capacity of this province has increased more during the last six years than during any equal period and the possibilities for employment are proportionately greater.

Employers who operated a factory comprising both old and new buildings during the war were able to measure the benefits in increased production and to observe that employees were attracted by buildings of recent design. Many such employers are now endeavouring to replace the old inefficient buildings as soon as practicable.

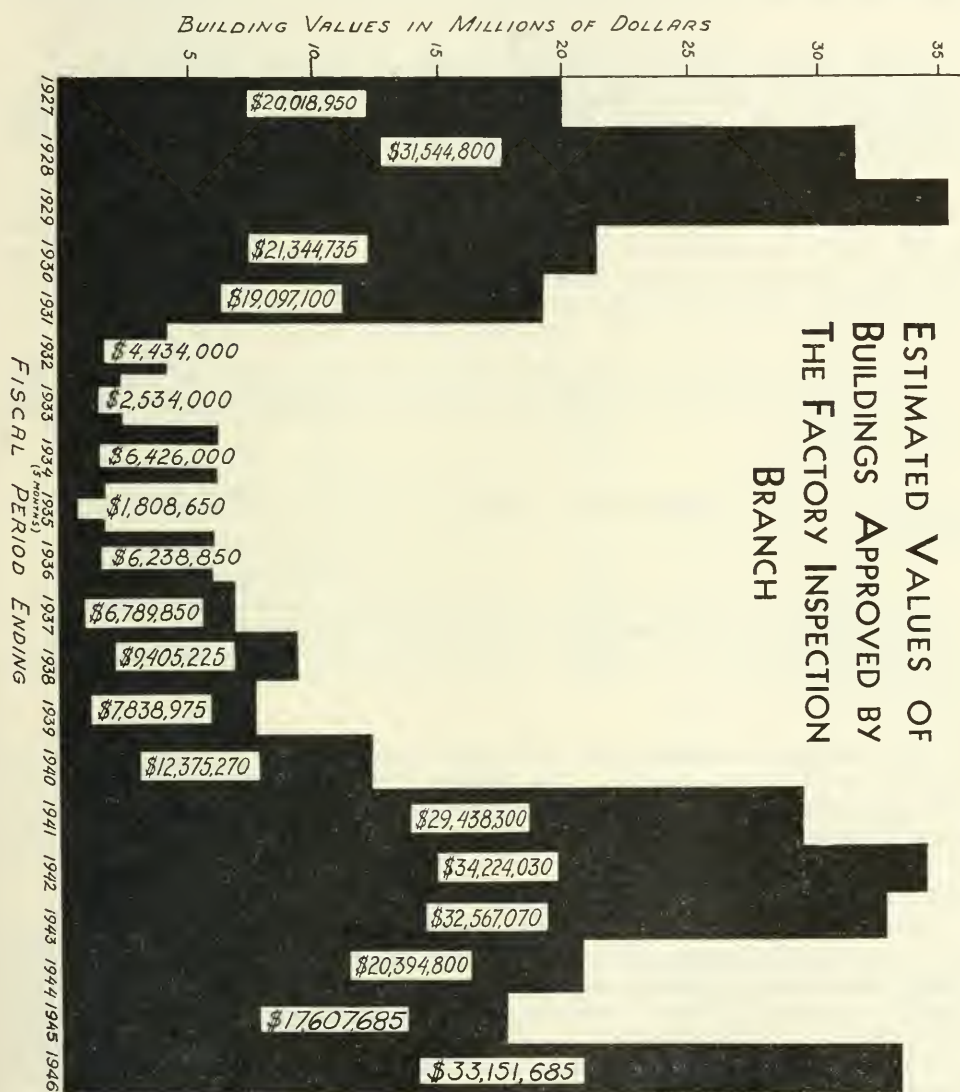
To compare the growth of the various industries and trades in the Province during the year, the following table has been prepared.

#### CLASSIFICATION OF APPROVED BUILDING PLANS

Trade or industry	Number of plans	Value of buildings	Percentage of total value
Bakeshops.....	6	\$ 114,000	.34
Chemicals.....	93	7,417,600	22.41
Clay, glass and stone.....	26	563,435	1.70
Clothing.....	12	302,250	.91
Conveyances.....	10	255,200	.77
Food.....	143	2,718,200	8.20
Garages.....	44	937,200	2.82
Laundries and cleaners.....	20	199,350	.60
Leather.....	8	132,800	.40
Lumber.....	8	139,000	.42
Metals.....	253	7,931,500	23.94
Offices.....	29	1,033,100	3.12
Paper trades.....	18	3,538,300	10.69
Plastic working.....	3	365,000	1.10
Printing and publishing.....	36	582,650	1.76
Rubber.....	12	1,375,100	4.14
Restaurants.....	5	22,000	.07
Shops.....	12	361,800	1.09
Textiles.....	37	1,378,250	4.15
Tobacco.....	4	1,616,300	4.88
Warehouse.....	61	1,323,350	3.94
Wholesale.....	9	155,100	.47
Woodworking.....	54	576,200	1.74
Unclassified.....	10	114,000	.34
<b>TOTAL.....</b>	<b>913</b>	<b>\$33,151,685</b>	<b>100.00</b>

The metals group, for the second successive year, had more plans approved and also spent more on building construction than any other group. The expansion was not limited to any particular sub-group although the demand for agricultural implements and the rehabilitation of many very old buildings were contributing factors. Some foundry employers have undertaken extensive improvements of working conditions to attract better types of employees and the Department has provided a great deal of assistance in the design of ventilation systems. The first factory for the manufacture of roller bearings in Canada was erected. Some of the large single-occupancy war plants have already been converted to multiple-occupancy plants with many varied types of factories under one roof. As preference was given to those which would not create nuisances, no ill-effects have been observed and many small firms obtained modern work-rooms which would otherwise not have been available to them.





The chemical industry expended the second largest amount of money on buildings for many diverse processes. Large factories were erected for the manufacture of paint and varnish, chemical drugs, plastics and nylon fibres. A plant for the study and production of nuclear fission products was almost completed at the end of the fiscal year and will require specialized attention to the health of its employees when operations begin.

A new pulp and paper mill was approved and its construction has caused the erection of a planned community where only bushland previously existed. This mill was among the three windowless structures approved during the year on the grounds of necessity due to the high moisture-content of the air inside the buildings.

This Department has followed a policy of refusing to approve the plans of windowless buildings unless the applicants can prove sufficient necessity for that type of building due to the nature of the proposed operations. The majority of employees definitely prefer to work where it is possible for them to view the outdoors, even if very remotely, from their work benches.

The world-wide demand for increased food production has resulted in that industry having the second highest number of plan approvals. A large plant for the processing of soy beans was erected in Toronto.

One new tobacco processing plant accounted for almost all of the expenditures by that group.

Since the end of hostilities and particularly since December when all Dominion construction controls were limited, the number and value of industrial and commercial plan approvals increased so the actual rate of construction slowed to a greater extent than even in wartime and costs thereby increased.

A dust explosion in a grain elevator at Port Arthur caused the loss of twenty-two lives and injury to over thirty other workers. The Examiner of Reports and Designs was one of the official investigators and prepared a lengthy report for submission at the inquiry. The exact cause of ignition could not be determined definitely but unprotected electrical equipment was placed highest in the likely causes.

While Ontario has had only two grain elevator explosions which resulted in loss of life in over twenty years, the fact that about one-half of the terminal elevators in Canada are located in Ontario, and the serious results of this explosion were among the factors which resulted in the drafting of extensive regulations. Meetings were held with representatives of the industry and recognized experts in the prevention of dust explosions, and the early adoption of the regulations is assured. The installation of additional steel fire escapes has been ordered and the designs of all such exits were submitted for approval.

Revised regulations for exterior steel fire escapes on factories, shops and office buildings were passed by Order-in-Council early in the fiscal year and have proved very satisfactory.

One thousand and three office interviews with owners, engineers and architects were held to discuss the designs of proposed buildings and suitable equipment to safeguard the safety, health and welfare of employees. This number represents a gain of 368 over last year and is an all-time maximum. The advantages resulting from preliminary discussions of proposed projects are

now well-known to designers and management and the arrangements for the majority of interviews no longer need originate within the Department. The use of well-designed mechanical ventilation to control industrial health and safety hazards, particularly in the chemical industry, has shown a steady increase. The Industrial Hygiene Division has assisted greatly in the examination of drawings, particularly those of ventilation systems.

A total of 101 field inspections were made by the Examiner of Reports and Designs, chiefly to facilitate the approval of plans and to investigate special hazards due to lack of exits, particularly in grain elevators, ventilation, floor overloads and dangerous processes reported by the inspectors. The number of such field inspections was curtailed due to pressure of office-work but the recent appointment of a professional engineer as Assistant Examiner will permit the making of more frequent visits with the district inspectors.

### INSPECTION STATISTICS

The following is the distribution of the services rendered by the inspectors of the Composite Inspection Branch:

FACTORY INSPECTION BRANCH:	1945	1946	
First inspections . . . . .	15,359	17,070	
Second inspections . . . . .	4,031	5,604	
Visits re fruit camps . . . . .	43	42	
	<hr/> 19,433	<hr/> 22,716	
Apprenticeship Branch . . . . .	1,377	1,158	
Industrial Standards Branch . . . . .	266	361	
Main Office . . . . .	740	1,169	
Minimum Wage Branch . . . . .	406	384	
Operating Engineers' Branch . . . . .	146	773	
Steam Boiler Branch . . . . .	2,246	2,346	
	<hr/> 5,181	<hr/> 6,191	
TOTALS . . . . .	24,614	28,907	

In addition there were investigations of accidents and the usual visits, office calls and conferences incidental to inspections.

The number of orders issued relating to various requirements of The Factory, Shop and Office Buildings Act, totalled 17,017 as compared with 14,282 during the previous year.

Employees in the above-visited industries, mercantile establishments and office buildings numbered 622,380, classified as follows:

Fiscal years	Males over 16	Males 14-16	Females over 18	Females 14-18	Totals	Children under 14 dismissed
1945	449,368	5,483	259,212	5,945	720,008	444
1946	400,946	3,287	214,194	3,953	622,380	238

These figures show a decrease in the numbers of both male and female employees in the industries visited.

## WEEKLY HOURS OF LABOUR

## Male Employees

Hours	Up to 49	50 to 53	54 to 57	58 and over	Totals
Firms 1945.....	5,477	2,923	1,759	1,644	11,803
Firms 1946.....	10,075	1,011	204	633	11,923
Employees 1945....	201,502	160,132	36,593	37,645	435,872
Employees 1946....	357,591	18,902	7,911	11,551	395,955

## Female Employees

Hours	Up to 49	50 to 53	54 to 57	58 and over	Totals
Firms 1945.....	6,382	2,051	387	275	9,095
Firms 1946.....	8,152	155	42	94	8,443
Employees 1945....	143,681	77,312	17,225	16,537	254,755
Employees 1946....	201,562	5,712	1,912	5,081	214,267

## Total Employees

Hours	Up to 49	50 to 53	54 to 57	58 and over	Totals
1945.....	345,183	237,444	53,818	54,182	690,627
1946.....	559,153	24,614	9,823	16,632	610,222

Also 12,158 employees, male and female, employed by 663 firms were working approximately fifty hours per week.

## Special authorities granted for the employment of women on multiple shifts

Shifts	Number of firms	Number of female employees affected
2 8-hour.....	6.....	100
2 9-hour.....	7.....	1,318
2 10-hour.....	16.....	2,611
3 8-hour.....	4.....	486
Totals.....	33	4,515

**Overtime permits, employment of females until 9 p.m.  
Section 30 of The Factory, Shop and Office Building Act**

Fiscal Years	1943	1944	1945	1946
Number of firms using permits.....	775	545	509	530
Number of permits issued.....	2,569	2,079	1,634	1,602
Number of nights worked.....	15,892	12,497	10,516	8,094
Number of females employed overtime.....	12,858	24,267	14,898	6,320

**Double shift permits, employment of females between 6 a.m. and 11 p.m.  
Section 31 of The Factory, Shop and Office Building Act**

Fiscal Years	1943	1944	1945	1946
Number of firms using permits.....	135	116	93	108
Number of permits issued.....	251	215	193	233

**VIOLATIONS**

Violations of the acts in the enforcement of which the inspectors have a responsibility were reported as follows:

	1945	1946
Adolescent School Attendance Act.....	119	44
Minimum Wage Act.....	2,347	2,394
Operating Engineers Act.....	194	145
Steam Boiler Act.....	19	5
<b>Totals.....</b>	<b>2 679</b>	<b>2 588</b>

Violations of the Minimum Wage Act were chiefly cases of carelessness on the part of employers in neglecting to keep minimum wage cards posted in their establishments.

**COMPLAINTS**

One hundred and forty-six complaints were received during the fiscal year. Upon investigation, sufficient grounds for complaint were found in ninety-one cases, insufficient grounds in thirty-nine cases and sixteen cases concerned matters not under the jurisdiction of the Factory Inspection Branch. Some investigations covered more than one complaint. Subjects of complaint were as follows:

	1945	1946
Adolescents.....	10	8
Child labour.....	31	14
Dust.....	5	3
Elevators.....	9	6
Fire hazards.....	13	6
Fumes.....	13	9
Guarding machinery.....	—	6
Lack of heat.....	7	13
Long hours.....	29	15
Lunch period.....	2	3
Lunch and dressing rooms.....	2	2
Miscellaneous.....	33	23



**PROVINCE OF ONTARIO**  
**Summary of Accidents for the**

Cause of Injury	Head and Face				Upper Extremities								Trunk						
	Face	Head	Eyes	Ears	Hand	Fingers	Thumb	Arm	Shoulder	Wrist	Elbow	Other	Ribs	Thigh	Back	Stomach	Chest	Side	Hips
Burns and scalds.....	12	1	42	2	64	27	3	46	2	10	2	6	...	3	4	1	1	3	1
Cranes and derricks.....	2	6	...	...	4	14	6	5	1	...	...	2	1	...	2	...	1	...	1
Elevators.....	...	5	...	...	7	7	1	2	1	2	1	...	1	...	1	...	...	...	...
Electricity.....	...	1	9	...	2	1	...	...	1	...	...	2	...	...	...	...	...	...	...
Engines and cars.....	...	...	...	...	1	6	4	2	...	3	...	...	1	...	1	...	...	...	...
Explosions.....	3	...	7	...	7	1	...	2	...	2	1	1	...	...	...	...	...	...	...
Falling substances.....	9	67	7	...	62	136	48	23	19	25	4	5	22	6	18	2	16	11	2
Falls.....	14	32	3	...	47	25	15	49	53	69	38	26	117	8	140	2	41	46	19
Flying missiles.....	19	7	545	2	15	14	16	13	2	9	2	3	3	2	...	...	6	2	1
Foreign substances in eyes.....	...	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hand tools.....	5	7	6	...	35	69	40	5	4	7	5	3	3	...	...	...	...	...	...
Hooks, chains, cables.....	...	2	5	1	10	16	8	8	...	6	3	1	...	1	...	...	...	...	1
Infected wounds.....	3	2	16	...	151	346	102	28	...	20	10	6	...	1	...	...	...	1	...
Jammed between articles.....	...	1	...	...	79	431	70	9	4	9	6	5	4	5	2	...	4	2	1
Sprains and strains.....	1	...	1	...	21	7	18	53	95	96	2	24	3	3	656	10	26	194	15
Rolls.....	1	...	...	...	20	35	2	6	...	...	1	...	...	...	...	...	...	...	...
Gears, cogs, sprockets.....	...	...	...	...	2	24	2	2	...	...	...	...	...	...	...	...	...	...	...
Belts, pulleys, shafting.....	...	...	2	...	26	30	6	7	1	2	1	1	...	...	...	...	...	1	...
Saws.....	2	1	...	...	28	117	37	2	...	6	1	...	...	...	...	1	...	...	...
Planer.....	...	...	...	...	3	12	2	2	...	...	...	...	...	...	...	...	...	1	1
Drill.....	...	1	1	...	12	32	15	6	...	2	...	...	...	...	...	...	...	...	...
Milling machinery.....	...	1	...	...	1	19	4	...	...	...	...	...	...	...	...	...	...	...	...
Shears.....	1	...	...	...	2	28	10	1	...	2	...	...	...	...	...	...	...	...	...
Emery wheel.....	...	...	...	...	6	19	6	1	...	...	...	...	...	...	...	...	...	...	...
Press.....	1	1	...	...	19	108	15	3	...	1	...	...	...	...	...	...	1	...	...
Punch.....	...	...	...	...	9	91	10	3	1	2	...	1	...	...	...	...	...	1	...
Dies.....	...	...	...	...	4	18	1	...	...	...	...	...	...	...	1	...	...	...	...
Barker.....	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Calender.....	...	...	...	...	2	2	2	1	...	...	1	...	...	...	...	...	...	...	...
Cutter knives.....	...	...	...	...	7	38	5	1	...	...	...	...	...	...	...	...	...	...	1
Conveyers.....	1	...	1	...	4	11	5	1	...	...	1	...	...	...	...	...	...	...	1
Hammers.....	2	2	...	...	2	11	3	2	...	1	...	1	...	...	...	...	...	...	...
Jointers.....	...	1	...	...	5	18	1	...	...	...	...	...	...	...	...	...	...	...	...
Stitcher.....	...	...	...	...	...	4	2	...	...	...	...	...	...	...	...	...	...	...	...
Loom.....	...	...	...	...	1	3	1	1	1	...	1	1	...	...	...	...	...	...	...
Centrifugal machinery.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Paper machinery.....	...	1	1	...	13	16	4	2	...	1	...	...	...	...	...	...	...	...	...
Spinning machinery.....	...	...	...	...	4	14	...	1	...	...	...	...	...	...	...	...	1	...	...
Winders.....	...	...	...	...	4	10	3	1	...	1	...	...	...	...	...	...	...	...	...
Grinding wheels.....	...	2	...	1	17	45	18	3	...	...	1	...	...	...	...	1	1	...	...
Lathes.....	...	1	...	...	9	38	11	2	...	...	2	1	...	...	...	...	...	...	...
Machinery connections.....	4	5	5	1	54	178	45	15	1	6	2	1	2	1	...	...	...	1	...
Wiredrawing, etc.....	1	...	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...	...
Trucking.....	6	4	2	1	20	32	11	11	2	11	6	7	23	6	9	1	9	9	...
Other machinery.....	...	1	...	...	37	113	21	11	...	7	2	1	1	...	1	...	3	1	...
Miscellaneous causes.....	21	50	36	2	194	313	122	63	12	64	79	42	27	17	24	3	17	9	6
Spoolers.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial diseases.....	6	...	7	...	44	13	3	29	...	2	1	16	...	...	...	...	2	...	...
Fumes.....	...	...	3	...	...	...	...	...	...	...	...	6	...	...	...	1	1	...	...
<b>TOTALS.....</b>	<b>115</b>	<b>202</b>	<b>713</b>	<b>10</b>	<b>1056</b>	<b>2497</b>	<b>699</b>	<b>422</b>	<b>200</b>	<b>367</b>	<b>173</b>	<b>162</b>	<b>208</b>	<b>53</b>	<b>859</b>	<b>22</b>	<b>130</b>	<b>282</b>	<b>50</b>

## FACTORY INSPECTION BRANCH

Fiscal Year Ending March 31, 1946

Lower Extremities							Class of Industry																			
Groin	Abdomen	Legs	Foot	Toes	Knee	Ankle	Multiple	FATAL	TOTALS	Pulp and Paper Trades	Metal Trades	Rubber and Rubber Goods	Textiles	Food	Lumber	Laundries	Chemicals	Conveyances, etc.	Transportation	Clay, Glass and Stone	Unclassified Trades	Leather Goods	Woodworking	Wearing Apparel		
1	1	31	114	10	3	22	185	5	602	52	338	23	9	49	4	1	30	23	21	21	16	5	10	..		
..	1	7	6	5	3	..	11	1	79	3	62	1	..	1	..	..	..	5	5	2	..	..	..	..		
..	..	3	13	4	2	1	12	5	68	8	17	5	8	12	..	..	5	2	..	1	4	3	2	1		
..	..	..	1	..	..	..	16	3	36	5	20	..	..	2	..	..	1	1	2	2	2	1	..	..		
..	..	..	3	5	..	1	9	2	38	2	13	1	1	2	..	..	..	4	9	3	2	..	..	1		
..	..	2	1	..	..	..	56	18	101	5	31	..	1	10	1	..	5	1	1	2	44	..	..	..		
5	3	113	474	921	33	48	107	4	2190	260	1112	99	37	125	32	1	27	214	113	59	42	14	53	2		
23	11	83	58	13	143	80	324	4	1483	177	532	63	69	151	29	1	49	134	61	58	97	21	32	1		
2	2	9	6	1	2	1	15	1	700	48	388	17	21	35	27	..	10	46	24	28	33	2	19	2		
..	..	..	..	..	..	..	..	..	14	2	9	..	..	..	..	..	..	..	1	..	..	..	..	..		
..	..	5	9	2	6	3	2	..	216	19	107	11	6	6	6	..	2	20	21	5	3	2	7	1		
..	..	4	22	4	7	4	1	..	104	53	24	1	1	8	5	..	1	5	..	2	1	1	2	..		
4	..	34	31	7	14	6	11	..	793	69	362	21	33	95	15	..	11	71	12	17	33	13	30	11		
1	4	24	27	9	7	8	20	..	732	57	383	29	13	49	14	..	13	59	41	17	23	5	28	1		
315	47	27	32	1	111	193	55	..	2006	207	883	80	81	156	22	1	59	236	58	79	76	18	46	4		
..	..	..	2	..	..	..	2	..	69	23	15	5	5	3	3	..	..	4	..	..	3	3	5	..		
..	..	..	1	..	..	..	..	..	31	3	13	1	5	4	..	..	..	..	..	1	2	2	..	..		
..	..	3	..	..	..	..	8	3	91	12	37	4	6	12	1	..	2	2	2	2	6	..	4	1		
..	..	1	..	..	1	..	1	..	197	22	63	5	2	5	22	..	2	11	6	3	8	1	47	..		
..	..	..	..	..	..	..	..	..	24	3	8	2	..	..	..	..	..	..	..	..	1	1	6	..		
1	..	1	..	..	..	..	6	..	77	..	52	1	1	4	1	..	2	14	2	..	..	..	..	..		
..	..	..	..	..	..	..	..	..	25	..	20	2	..	..	..	..	..	1	..	..	1	1	..	..		
..	..	..	..	..	1	..	1	..	46	1	37	..	..	..	1	..	..	1	..	3	1	..	2	..		
..	..	..	..	..	..	..	..	..	33	3	18	..	..	..	..	..	..	4	7	1	..	..	..	..		
..	..	1	2	..	..	1	4	1	158	18	100	5	1	1	..	..	3	16	..	3	5	2	2	2		
..	..	..	1	..	..	..	1	..	120	9	89	1	1	..	..	..	1	9	..	4	4	1	1	..		
..	..	..	..	..	..	..	..	..	23	1	15	1	..	..	..	..	..	2	..	1	1	1	..	1		
..	..	..	1	..	..	..	1	..	4	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..	10	3	..	6	1	..	..	..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..	52	6	9	11	4	1	2	..	1	..	1	2	2	2	10	1		
..	..	2	2	..	..	1	6	..	36	13	6	2	..	5	1	..	..	1	..	1	6	..	1	..		
..	..	..	1	..	..	..	1	2	28	1	22	2	..	..	..	..	..	1	2	..	..	..	..	..		
..	..	..	..	..	1	..	1	..	27	4	6	..	1	1	1	..	..	..	2	1	3	..	8	..		
..	..	..	..	..	..	..	..	..	6	5	..	..	..	..	..	..	..	..	..	..	1	..	..	..		
..	..	1	..	..	..	..	..	..	10	..	2	..	8	..	..	..	..	..	..	..	..	..	..	..		
..	..	..	..	..	1	..	..	..	3	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..		
..	..	..	..	..	1	..	3	..	42	39	2	..	..	1	..	..	..	..	..	..	..	..	..	..		
..	..	..	..	1	..	..	2	..	23	1	1	..	21	..	..	..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	1	..	20	11	3	..	6	..	..	..	..	..	..	..	..	..	..	..		
..	1	1	..	1	1	..	1	..	94	4	66	2	4	2	..	..	..	11	1	..	1	..	3	..		
..	..	1	..	..	..	..	7	..	72	1	56	1	..	..	..	..	..	4	2	2	1	..	5	..		
..	2	5	4	4	6	3	6	..	351	36	135	22	23	36	7	2	..	30	8	10	16	7	15	4		
..	..	3	..	..	..	2	..	..	10	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..		
6	2	37	58	98	27	17	30	3	448	61	182	20	14	50	8	..	7	33	6	11	32	10	14	..		
1	..	6	6	1	2	..	14	4	233	18	100	12	22	19	..	..	4	18	4	7	7	12	8	2		
5	10	126	95	47	102	40	67	5	1598	151	643	81	68	204	31	..	33	109	47	59	89	22	48	13		
..	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..		
1	1	9	3	..	2	2	189	..	330	10	137	31	13	21	..	..	15	47	2	18	25	6	5	..		
..	..	..	..	..	..	..	..	1	12	4	5	..	..	..	..	..	1	1	..	1	..	..	..	..		
365	85	541	973	1135	476	433	1176	62	13466	1434	6135	568	487	1070	237	6	284	1141	461	426	591	157	413	56		

COMPLAINTS—Continued		1945	1946
Multiple.....		19	5
One Day's Rest in Seven Act.....		2	—
Exits.....		1	3
Sanitation.....		7	11
Toilet accommodation.....		13	16
Ventilation.....		5	3
		<hr/>	<hr/>
Totals.....		201	146

## PROSECUTIONS

Proceedings were taken against two firms for violations of The Factory, Shop and Office Building Act. Conviction was recorded in one case under section 26 and the other case was adjourned and will be recorded in the next report. This charge was laid under section 29 of the Act.

	Convictions	Adjourned
Employment of adolescents—section 26.....	1	—
Hours for youths, young girls and women—section 29.....	—	1
	<hr/>	<hr/>
Totals.....	1	1

## ACCIDENTS

During the year 13,466 accidents were reported to the Factory Inspection Branch, as compared with 16,344 in 1945. Sixty-two of the accidents proved fatal, the same number as reported for the preceding year, and 1,320 of the total accidents happened to female workers.

Fatalities were due to:—

Burns and scalds.....	5
Cranes and derricks.....	1
Elevators.....	5
Electricity.....	3
Engines and cars.....	2
Explosions.....	18
Falling substances.....	4
Falls.....	4
Flying missiles.....	1
Belts, pulleys and shafting.....	3
Press.....	1
Hammers.....	2
Trucking.....	3
Other machinery.....	4
Miscellaneous causes.....	5
Fumes.....	1
	<hr/>
Total.....	62

## EXPLOSIONS

Fifty-nine explosions were reported during the year, one of which took place toward the close of the previous fiscal year. Fifty-four of these explosions caused injuries to 101 employees, and injuries proved fatal to eighteen employees.

Explosions causing injuries were as follows:

- March 29, 1945... Moisture from slag pot caused explosion.
- April 1..... As fire builder was lighting up engine, an explosion occurred.
- April 4..... While box of limestone was being put in furnace, box was turned fast, causing explosion.
- April 5..... Acetylene generator exploded.
- April 9..... Gas from coal blew through open fire-door.
- April 14..... An explosion occurred when a basket of bolts was being dipped in zinc.
- April 18..... While a tray of detonators was being lifted, one of them blew,
- April 27..... A detonator fired during crimping operations.
- May 4..... New cast iron boiler exploded.
- May 4..... A bottle being removed from pasteurizer exploded.
- May 14..... While a burnt out 200W bulb was being replaced, it exploded.
- May 22..... Pressure valve exploded.
- May 25..... Solution in drawing furnace exploded.
- June 1..... Refuse being thrown into fire, created an explosion.
- June 10..... Explosion took place in core room.
- June 14..... Residue of alcohol in drum exploded.
- June 14..... Match was lit to see contents of tank and fumes exploded.
- June 22..... Pocket of steam in ash bed exploded when stirred.
- June 26..... Ring gear was being placed in hot machine, and when electricity was turned on, it exploded.
- June 27..... Shorted battery while trying to check a starting motor and battery exploded.
- July 7..... Faulty valve of the air conditioning system caused explosion.
- July 14..... While bottles were being lifted from pasteurizer, one exploded.
- July 17..... When degreaser was being lit, gas exploded.
- July 25..... Brick or sand in cupola was apparently wet, and exploded when the molten iron hit it.
- August 2..... Pressure caused an explosion when nuts on gauge glass were being tightened, without opening drip cock at bottom of line.
- August 7..... Dust explosion.
- August 10..... Motor lead arced to ground of press-cutter, switch door opened by arc explosion.
- August 24..... When molten metal was being poured into moulds, metal exploded.
- August 24..... Break-out occurred at tap hole of electric furnace. Hot metal striking the water caused explosion.
- August 25..... Heat from welding torch caused can of paint to explode.
- August 28..... When slag pot was being dumped and slag was still in liquid form, it exploded when slag hit damp pot.
- September 26..... While burning top of carbide can, the torch touching can caused it to explode.
- September 28..... Bottle of beer exploded.
- October 19..... When the skimming device was put into the hot metal, it exploded.
- October 29..... Bottle of ale exploded.
- November 8..... Road oil tank exploded.
- November 22..... Cigarette lighter exploded when workman tried to light it after it had been dropped in gasoline.





**BOARD OF EXAMINERS OF OPERATING ENGINEERS****CHAIRMAN: JOHN SHARP****MEMBERS OF THE BOARD: W. J. SCOTT. A. L. LACEY**

In compliance with subsection 3 of section 2 of The Operating Engineers Act, the Board of Examiners presents the thirty-seventh annual report of this Branch of the Department for the fiscal year ending March 31, 1946.

During the year Mr. S. G. Rose, who had been a member of the Board since 1923, retired from the Service and on July 16, 1945, Mr. Arthur Lacey was appointed to fill the vacancy.

The net revenue of \$33,810.20, shown in the statement of revenue on the following page, is the largest in the history of the Branch, being \$2,625.35 over that of the previous year. Engineering text books for sale in the Department are in steady demand in Ontario and the other provinces, as indicated by the revenue from this source. The number of examinations conducted at the Toronto office and other centres of examination exceeded any previous year. Certificates issued without payment of fee to engineers returning from active service totalled 677. The forty-eight hour working week and industrial expansion have created a situation of increased demand, to meet which there were not sufficient certificated engineers, and enforcement of the Act has to be governed accordingly.

Applications for examination reviewed by the Board totalled 1,105, of which 120 did not comply with the requirements of the Act and were rejected. The number of plant registration certificates issued was 285 and 17,433 current certificates were issued to operating engineers.

At the Toronto office 1,325 candidates wrote examinations and 1,157 at other centres throughout the Province. Forty-nine per cent of the candidates failed to pass the examination. The Ontario Training and Re-establishment Institute's six months' course in stationary engineering for returned veterans has proved of definite value in the status and qualifications of candidates entering the field of stationary engineering, as shown by examination results.

During the year 187 violations of the regulations were reported and 576 inspections were made by the inspector of the Branch. Enforcement of the regulations was accomplished to a great extent through the co-operation and assistance of the operating engineers, for which assistance the Board of Examiners express their appreciation and acknowledgement with thanks.

## REPORT OF REVENUE FOR FISCAL YEAR

APRIL 1, 1945, TO MARCH 31, 1946

**Fees collected for:**

Examinations.....	\$29,215.27	
Re-examinations.....		
Renewals.....		
Penalty renewal fees.....		
Provisional certificates.....		
Duplicate certificates.....		
Plant registrations.....	285.00	

**Moneys refunded on:**

Examinations.....	\$790.50	
Renewals.....		
Penalty renewal fees.....		
Plant registrations.....		
Duplicate certificates.....		
Miscellaneous.....		
Text books.....		49.25
Total refunds.....		\$839.75

**Revenue by:**

Certificates.....	\$29,500.27
Sale of text books.....	5,131.95
Miscellaneous.....	17.73
Gross revenue.....	\$34,649.95
Total refunds.....	\$839.75
Net revenue.....	\$33,810.20

## REPORT OF CERTIFICATES FOR FISCAL YEAR

Number of certificates issued.....	17,718
Number of certificates refused.....	1,263

## Certificates issued

Certificates  
refused owing to  
low percentage

Class	By ex- amina- tion	By re- exami- nation	Pro- visional	Dupli- cate	Renewals	Totals	Refused
Compressor.....	28	4			253	285	14
Fireman.....	51	19	1		390	461	31
4th Class.....	547	87	17	2	5,442	6,095	403
3rd class.....	152	99	14	1	4,467	4,733	412
2nd class.....	34	34	5	3	2,097	2,173	262
1st class.....	5	8			318	331	54
Hoisting.....	95	13	2	7	1,937	2,054	70
Traction.....	22	7	4	3	900	936	17
Duplex.....	5	1			359	365	
TOTALS.....	939	272	43	16	16,163	17,433	1,263
Plant registrations....						285	

Total of certificates issued..... 17,718

## REPORT OF EXAMINATIONS HELD FOR FISCAL YEAR

Number of candidates examined at Toronto.....	1,325
Number of candidates examined at other centres.....	1,157
Total number of candidates examined.....	2,482

Class	At Toronto	At other centres	Totals
Compressor.....	4	21	25
Fireman.....	35	45	80
4th class.....	586	484	1,070
3rd class.....	335	327	662
2nd class.....	182	145	327
1st class.....	64	20	84
Hoisting.....	103	83	186
Traction.....	16	32	48
Totals.....	1,325	1,157	2,482

Examinations were held in Toronto every day except holidays, and at outside centres as follows:

	No. of exami- nations	No. of candi- dates		No. of exami- nations	No. of candi- dates
Brantford.....	2	32	North Bay.....	1	20
Belleville.....	2	39	Ottawa.....	2	110
Brockville.....	2	25	Orillia.....	1	10
Chatham.....	2	24	Parry Sound.....	1	6
Cornwall.....	1	22	Peterborough.....	2	21
Fort Frances.....	1	8	Port Arthur.....	2	72
Haileybury.....	1	9	Renfrew.....	1	21
Huntsville.....	1	2	Sault Ste. Marie.....	2	25
Hamilton.....	3	113	Sudbury.....	3	100
Kapuskasing.....	1	6	St. Catharines.....	2	16
Kenora.....	1	8	Sarnia.....	1	49
Kirkland Lake.....	2	29	Timmins.....	2	40
Kingston.....	2	24	Walkerton.....	1	17
Kitchener.....	2	76	Windsor.....	2	113
London.....	2	78	Other centres.....	2	11
Niagara Falls.....	2	31			
Total at outside centres.....				52	1,157
Total at Toronto.....					1,325
Total during fiscal year.....					2,482

**BOILER INSPECTION BRANCH**

CHIEF INSPECTOR: J. N. BRIGGS

The thirty-third report of the Boiler Inspection Branch for the fiscal year ending March 31, 1946, presents an all-time record of activity in all phases of work coming within the jurisdiction of the Branch.

Industry turning from war to peace time production, and the lifting of restrictions on materials are contributing factors to mounting revenue and upward trend of inspection service rendered. Compared with the statistics of last year, the percentage of increase for the fiscal year 1946 is summarized as follows:

Monies transferred to the Treasury Department.....	27.2 per cent
Designs and specifications surveyed and registered.....	48.3 per cent
Inspections under Steam Boiler Act and Regulations.....	32.4 per cent
Annual inspection of uninsured boilers and pressure vessels, Section 56,	
The Factory, Shop and Office Building Act.....	13.6 per cent
Vessels accepted on affidavit of manufacturer.....	44.9 per cent
Examinations of welding operators.....	10.0 per cent

The appointment of three additional boiler inspectors to the staff was made during this period.

Industrial expansion in anticipation of post-war needs made apparent the high peak of production in boiler manufacturing plants. To cope with this phase of activity required the concentrated efforts of the inspection personnel, particularly during the latter part of the fiscal year. Also the marked increase in specific designs and specifications submitted for survey and registration reflects the trend of thought in the use of new materials entering into the construction of pressure vessels, some of which involve complicated structures made necessary for special process work.

The Province of Ontario continues to rank highest in the production of boilers and unfired pressure vessels of every description in Canada. Records indicate that throughout the Province there are thirty-eight manufacturers engaged in the industry, of whom three leading manufacturers have expended millions of dollars for equipment necessary to meet the most exacting requirements of the A.S.M.E. Boiler Code specifications. The modern welded drum intended for service under elevated pressures and temperature, fabricated to Code Rules, has developed a highly specialized field requiring great accuracy of manufacture. The advances made in metallurgy and welding technique are outstanding factors in this development. The first boiler in Canada to operate at 900# w.p. at 750°F. was prepared for erection in Hamilton at the close of the fiscal year.

With the exception of the Province of British Columbia, all provinces enforcing boiler laws are today operating under the A.S.M.E. Boiler Code, either by direct adoption of the Code or through the facilities of the Canadian Standards Association. The Province of Ontario continues to support the definite need for a national standard specifications for boilers and unfired pressure vessels by representation on the Canadian Boiler Code Committee. This Committee, seven years ago, formulated regulations which, with the exception of one, include all sections of the A.S.M.E. Boiler Code, and in 1940 these, under the title of "Canadian Regulations for the Construction of Boilers and Pressure Vessels, C.S.A. Standard B 51", were given the force of law. In keeping pace with modern trend, boiler regulations as published today have expanded into voluminous material compared with the thin pocket edition of a few years ago.

The manual application of arc and gas welding processes used exclusively in the fabrication of pressure parts and repairs has advanced rapidly. In this respect the Boiler Code Committee

has been instrumental in broadening the field of application and establishing rules for qualifying welding procedures and also for the testing of welding operators. Observance of these rules has made necessary the transfer of an inspector from boiler inspection to full time activity in conducting qualifying tests. These tests are usually held in the premises of the employer who is required to provide all facilities and materials necessary for the examination. To correct any erroneous impression that may exist, it is emphasized that this Branch does not issue certificates or any kind of diploma to operators who have qualified. The fact that an operator has qualified virtually permits his employer to fabricate according to Boiler Code Rules. All operators are examined once during the calendar year except that when they change their place of employment during this period, re-qualification is necessary in their new place of employment. The work involved in connection with qualifying welding procedures and operators for the calendar year ending December 31, 1945, is summarized as follows:

Total number of firms in which welding procedures were established.....	196
Total number of welding operators examined.....	1,157
Number of operators examined in—	
Metallic arc process.....	1,037
Operators qualified.....	741
Operators failed.....	296
Number of operators examined in—	
Oxygen-acetylene process.....	120
Operators qualified.....	67
Operators failed.....	53

The following explosions were investigated during the fiscal year by the Branch:—

On May 4, 1945, in London, a new cast iron sectional hot water heating boiler was blown into fragments shortly after being put into service for the first time. The explosion caused serious injuries to the owner and an employee of the contractor responsible for installing the boiler. There was also considerable property damage. Cause of the explosion was found due to improper installation of a check valve between boiler and relief valve.

Through the bursting of a 300# standard valve on May 22, 1945, an employee of aqua ammonia plant in Welland died of injuries received. The cause of the rupture was attributed to the deceased closing the valve when trying to locate a leak in the system and thus permitting pressure to build up against the valve far in excess of its pressure rating of 300#.

An estimated damage of \$50,000 was caused by furnace explosion of a separately gas fired superheater unit on September 14, 1945, in Sarnia. Investigations revealed that the explosion was caused by an accumulation of gas in the furnace when the flame at the burner extinguished itself through being operated too low. The heat from the brick setting was sufficient to ignite the unburnt gas escaping from the burner. The damage was confined to the foundation of the unit.

On December 3, 1945, in Toronto, considerable property damage was caused by fire resulting from an explosion of a small cast iron jacket heater connected to an open tank. The tank, used for washing machine parts in a strong chemical solution, was connected to the heater by direct flow and return pipes. Investigation revealed that the pipes had become choked with solids causing pressure to build up in the heater until the bursting point was reached.

In London, on December 4, 1945, owing to a manual controlled gas burner having been left on over night, a cast iron jacket heater exploded in the early hours of the morning, which fortunately happened when no one was on the premises. Excess pressure in the system prevented the



city water pressure from entering and replacing the loss of water caused by the continuous operation of the relief valve throughout the night. Under this condition the jacket heater had practically become a steam vessel and overheated.

In Toronto on February 21, 1945, considerable property damage was done and two persons sent to hospital following an explosion of a cast iron sectional hot water heating boiler connected to a closed system. This boiler had a new rear section installed the previous day and the system was properly filled with water prior to lighting the fire. Investigation disclosed the fact that the boiler was operated with the stop valve on the city feed line closed tight. Had this valve been left open the system would have been automatically fed with water and prevented the boiler from being changed over into a steam generating unit. The  $\frac{1}{2}$ " water relief valve intended to relieve water pressure under normal conditions proved to be inadequate to relieve all steam pressure generated and prevent excess pressure.

#### SUMMARY OF WORK FOR FISCAL YEAR ENDING MARCH 31, 1946

##### Drawings and specifications surveyed, registered and re-registered:

	Designs	Fees
Boilers.....	95	\$ 965.00
Unfired pressure vessels.....	465	2,312.50
Ontario rulings—boilers.....	4	37.50
unfired pressure vessels.....	60	298.00
Accessories.....	25	208.00
Pressure piping layouts.....	28	275.00
Revisions—unfired pressure vessels.....	2	6.00
boiler.....	1	5.00
Surveyed, not registered—boiler.....	1	5.00
Totals.....	681	\$4,112.00

##### New boilers and pressure vessels:

	Inspections	Fees
Boilers.....	1,284	\$ 7,571.00
Unfired pressure vessels.....	1,478	8,815.00
Totals.....	2,762	\$16,386.00
Travelling expenses.....		412.00
Qualification tests, welding operators, expenses.....		1,535.00
Pressure piping installations.....	28	\$ 252.50
Travelling expenses.....		213.50

##### Used boilers and pressure vessels inspected:

	Inspections	Fees
Boilers.....	652	\$ 3,691.50
Pressure vessels.....	280	1,612.50
Totals.....	932	\$ 5,304.00
Second and final inspections.....	3,358	
Expenses.....		\$ 2,812.65

Certificates issued:	Number
Class A—new boilers and unfired pressure vessels . . . . .	1,926
Class B—used boilers and unfired pressure vessels . . . . .	782
Class C—low pressure boilers accepted by affidavit . . . . .	379
Class D—pressure vessels accepted by affidavit . . . . .	1,367
Class E—boilers under 3 H.P. accepted by affidavit . . . . .	32
Duplicate certificates . . . . .	40
Total . . . . .	4,526
Annual inspections—Factory, Shop and Office Building Act:	Inspections
Uninsured boilers . . . . .	2,822
Uninsured unfired pressure vessels . . . . .	4,360
Total . . . . .	7,182
Fees . . . . .	\$19,018.00
Expenses . . . . .	147.50
Certificates issued . . . . .	3,138
Fees for—survey and registration of designs . . . . .	\$ 4,112.00
inspections of new boilers and pressure vessels . . . . .	16,386.00
pressure piping installation inspections . . . . .	252.50
inspections of used boilers and pressure vessels . . . . .	5,304.00
heating boilers accepted by affidavit . . . . .	758.00
pressure vessels accepted by affidavit . . . . .	2,734.00
boilers under 3 H.P. accepted by affidavit . . . . .	64.00
transfer seals for tanks . . . . .	1,013.50
regulations . . . . .	3.50
Travelling expenses . . . . .	3,438.15
Qualification tests of welding operators—expenses . . . . .	1,535.00
Fees for annual inspections . . . . .	19,018.00
Expenses for annual inspections . . . . .	147.50
Total . . . . .	\$54,766.15
Total amount of monies transmitted to the Treasury of Ontario . . . . .	\$54,227.08

## CONCILIATION AND ARBITRATION

CHIEF CONCILIATION OFFICER: LOUIS FINE

CONCILIATION OFFICERS: JAMES HUTCHEON, G. L. FENWICK

The conciliation staff of the Province of Ontario consists of the Chief Conciliation Officer and two conciliation officers. During the fiscal year three federal Labour Relations Officers co-operated with the Conciliation Branch of Ontario in carrying out the greatly increased work coming under its jurisdiction.

The duties of the officers of this Branch include the following:

- (1) Assignments with reference to mediation, conciliation and arbitration;
- (2) Act as referees and returning officers in plant elections as directed by the Ontario Labour Relations Board;
- (3) Make arrangements for, and act as returning officers in plant elections held with the consent of all parties;
- (4) Investigate and report on all cases referred to this office by the Regional War Labour Board in connection with wages, hours of work, etc.;
- (5) Conduct conferences under The Industrial Standards Act.

### CONCILIATION

During the fiscal year 138 conciliation cases were referred to this Branch. In eighty-eight of these cases the unions were certified as collective bargaining agents but were unable to reach an agreement with the company concerned within the stipulated thirty-day period as provided for in P.C. 1003. In thirty-eight cases the conciliation officer appointed was able to bring about a mutually satisfactory agreement between the parties concerned. In the other fifty cases the conciliation officer, while recommending the appointment of a Board of Conciliation, was able to settle many points at issue between the parties and thus reduce the number of matters to be placed before the Board of Conciliation.

Cases of dismissal for alleged union activity or union membership, grievances, other labour difficulties and misunderstandings accounted for the remaining fifty cases. Forty-one of these cases came direct to the Department and nine were referred by the federal Department of Labour. In thirty-six cases a satisfactory settlement was reached, and in twelve cases a commissioner was recommended under P.C. 4020. In two cases by agreement an arbitrator was appointed, the parties agreeing to abide by the decision of the arbitrator.

### ARBITRATION

Practically every agreement between management and labour provides for arbitration as the final stage of the grievance procedure. In many cases, after the initial stages had been carried out without disposing of the matter at issue, the Minister of Labour was called upon to appoint an arbitrator. Twenty-eight cases were handled during the fiscal year involving 115 grievances, and in almost all of these cases a conciliation officer was the arbitrator, either by way of agreement between the parties or by appointment by the Minister of Labour.

### PLANT VOTES AND REFEREES' REPORTS

Conciliation officers acted as referees in seventy cases submitted by the Ontario Labour Relations Board.

Fifty plant votes were taken by conciliation officers who acted as returning officers. Forty-nine of these were referred by the Board and one was a consent vote. Ten thousand six hundred and fifty-three employees were involved in these votes.

## INDUSTRIAL STANDARDS CONFERENCES

There has been renewed activity this year under The Industrial Standards Act. Twenty-three conferences were held throughout the Province and a schedule was agreed to and approved by the Minister of Labour in each case. The industries covered by schedules included the following: barbering, bricklaying and stonemasonry, carpentry, hard furniture, painting and decorating, plumbing and heating, retail gasoline and taxicab.

Two hundred and twenty-nine investigations were made during the year. Two hundred and twenty of these assignments were from the Regional War Labour Board and necessitated visits to plants in various parts of the Province to investigate and report to the Board on wages, working hours, etc. Four investigations were made for the Industry and Labour Board, one for the Ontario Labour Relations Board and the remaining four were referred for investigation by the Deputy Minister's Office.

## STRIKES

The services of the officers were requested to assist in the settlement of twenty-four strikes during the year, involving 5,931 employees.

## OFFICE WORK

There has been a tremendous increase in the number of telephone inquiries and personal calls to this office during the year. These are made by employers and employees with reference to matters in dispute. As a result of these inquiries, this Branch has been able to advise, counsel and assist in settling many matters at issue without reference to any other branch of the Department or Board.

**ONTARIO REGIONAL WAR LABOUR BOARD****CHIEF EXECUTIVE OFFICER: J. B. METZLER**

In the Annual Report of the Department of Labour for the fiscal year 1944 a resumé of the activities of the Regional War Labour Board was given. This included a discussion of the various developments which had taken place in connection with wage control.

The Ontario Regional War Labour Board has continued its functions during the fiscal year ending March 31, 1946. The activities of the Board have not abated during the year notwithstanding the fact that the period of decontrol has been under way for some time.

Shortly before the end of the fiscal year the Wartime Wages Control Order P.C. 9384 was amended and the power to grant increases in wages was extended. In addition, several matters which were subject to control, such as pension schemes, vacations with pay, off-shift differentials, hospitalization plans and group insurance were released and returned to the field of collective bargaining.

It is anticipated that the pace towards complete removal of wage control will be accelerated in the immediate future and that with the presentation of the next Annual Report of the Department of Labour it will be possible to present a final report on this phase of the wartime activities of the Department.



## INDUSTRY AND LABOUR BOARD

CHAIRMAN: ERIC BILLINGTON

MEMBERS: E. G. GIBB, J. F. NUTLAND

The Industry and Labour Board administers The Hours of Work and Vacations with Pay Act, 1944, The Industrial Standards Act, The Apprenticeship Act and The Minimum Wage Act.

The Hours of Work and Vacations with Pay Act, 1944.

This Act provides that in any industrial undertaking the working hours of an employee shall not exceed eight in the day and forty-eight in the week, and that every employee shall be given a vacation of at least one week with pay after each year of employment.

### NEW REGULATIONS—EXEMPTIONS

On November 20, 1945, regulations replacing those in effect since July 1944 were approved by Order-in-Council. The principal changes made by these new regulations were the exemption from the Act of members, students and apprentices of certain professions, the business of funeral directing and embalming, farming and domestic service, and the exemption from the provisions of the Act relating to hours of work of employees of a municipal fire department, of steamship and railway companies, stevedores and others loading and unloading ships, persons working in grain elevators and persons employed in commercial fishing.

### NEW REGULATIONS—OVERTIME

Changes relating to overtime were also made. With the approval of the Board, an employer may provide for overtime of not more than twelve hours per week for each employee in the case of engineers, watchmen, firemen, shippers and other persons engaged in non-productive work, and in the case of all other employees, overtime of not more than one hundred hours per year for each employee, commencing with the year 1946. Overtime of not more than thirty hours for each employee may be worked without the Board's approval between November 1 and December 31, 1945.

### EMERGENCIES

Overtime may be worked by employees in an industry in cases of accident or work urgently required to be done to machinery or plant which cannot be completed during the eight-hour day or the forty-eight hour week and which would otherwise interfere with the ordinary working of the undertaking. Where work of this nature is undertaken the employer shall, within thirty days of the performance of the work, report it to the Board, stating the reasons therefor, and the emergency overtime work so required shall not be deductible from that authorized by a 1946 overtime permit.

### SPECIAL CIRCUMSTANCES

The Board may authorize overtime in respect of an industrial undertaking where the Board is satisfied that overtime work is necessary because of the nature of the work or the perishable nature of the raw material being processed.

### CANCELLATION OF POSTPONEMENT RULING

As a result of the termination of hostilities during the year, the Industry and Labour Board cancelled postponements relating to working hours granted to war industries. Effective Novem-

ber 1, 1945, the Board required that working hours of not more than forty-eight per week be established for employees in any industrial undertaking.

#### VACATIONS WITH PAY

Every employee granted a vacation with pay under the Act shall be entitled to receive a minimum of two per cent of his total annual earnings.

An amendment to the Act passed at the 1946 session of the Legislature authorized the making of regulations providing for the payment of vacation credits on a pro rata basis to employees who do not complete a year of employment with an industrial undertaking.

#### CONSTRUCTION INDUSTRY

A similar provision in effect since July 1944 for employees in the construction industry has proved very satisfactory. An employee who is employed for less than a year by an employer may obtain a vacation-with-pay stamp book from his employer, association of employees or from the Department of Labour at a charge of twenty-five cents.

The employer may purchase at any provincial savings office vacation-with-pay credit stamps in denominations ranging from one cent to one dollar, and at the end of each working day, week or regular pay period he is required to affix these stamps in an amount equivalent to two per cent of each employee's total earnings during the working period to the employee's vacation-with-pay stamp book. In this manner the employer contributes his proper share of vacation pay of his employees and employees build up a vacation-with-pay credit in proportion to their earnings and irrespective of the number of employers from whom they have worked during the year.

On and after June 30th in each year employees may present their books at any branch of a chartered bank or provincial savings office and, upon proper identification, shall be entitled to receive the cash equivalent of the stamps contained therein.

Under this plan of vacations-with-pay credits for employees in the construction industry, the sale to employers in the industry of vacation credit stamps amounted to \$1,346,602.82, as follows:

July 1, 1944, to March 31, 1945.....	\$ 429,156.22
Fiscal year ending March 31, 1946.....	917,446.60
	<hr/>
Total for period.....	\$1,346,602.82

During the same period 119,692 vacation-with-pay stamp books were sold to employees in the construction industry.

#### PROSECUTIONS

One employer was charged in the courts for permitting seven employees to work more than forty-eight hours weekly. In each of five cases the magistrate imposed a penalty by way of fine amounting to \$175. The charges in two cases were withdrawn by the Crown.

## INDUSTRIAL STANDARDS ACT

## INDUSTRY AND LABOUR BOARD

The Industrial Standards Act provides a definite procedure for collective bargaining in any industry by providing a legal means for calling a conference of employers and employees in any designated industry within a pre-defined zone. A schedule of wages and hours and days of labour agreed upon by the conference may be approved by the Minister, if, in his opinion, the schedule has been agreed to by a proper and sufficient representation of those engaged in the industry concerned. Upon recommendation of the Minister, the schedule may be approved by Order-in-Council, and ten days after publication in the Ontario Gazette it becomes effective in law and binding on all persons engaged in the industry within the zone.

Conferences were held during the fiscal year ending March 31, 1946, as follows:

INDUSTRY AND ZONE	DATE OF CONFERENCE	DATE SCHEDULE EFFECTIVE
Barbering industry:		
Hamilton .....	April 20, 1945.....	November 7, 1945
Smith's Falls .....	June 12, 1945.....	February 19, 1946
Carleton Place and Perth .....	June 13, 1945.....	February 5, 1946
Pembroke.....	June 14, 1945.....	February 5, 1946
Oshawa.....	January 23, 1946.....	April 3, 1946
Woodstock.....	January 30, 1946.....	April 2, 1946
Trenton.....	February 6, 1946.....	April 2, 1946
Guelph.....	March 6, 1946.....	April 23, 1946
Bricklaying and stonemasonry		
Ottawa .....	May 17, 1945.....	July 24, 1945
Carpentry:		
Timmins.....	April 27, 1945.....	July 24, 1945
Ottawa.....	May 17, 1945.....	July 24, 1945
Brockville.....	August 10, 1945.....	February 5, 1946
Owen Sound.....	January 25, 1946.....	April 4, 1946
Port Arthur and Fort William.....	March 1, 1946.....	May 7, 1946
Belleville.....	March 14, 1946.....	May 14, 1946
Windsor.....	March 20, 1946.....	May 14, 1946
Hard furniture:		
Ontario Zone.....	November 13, 1945.....	April 23, 1946
Painting and decorating:		
Ottawa.....	November 6, 1945.....	February 5, 1946
Plumbing and heating:		
Windsor.....	December 11, 1945.....	February 19, 1946
Port Arthur and Fort William.....	February 28, 1946.....	May 7, 1946
Retail gasoline service:		
Windsor.....	March 19, 1946.....	May 14, 1946
Toronto.....	March 28, 1946.....	May 14, 1946
Taxicab:		
Toronto.....	March 11, 1946.....	May 14, 1946

## PAYROLL ASSESSMENT OF INDUSTRIES

Under the Act, the Industry and Labour Board has designated the cloak and suit industry and the men's and boys' clothing industry as interprovincially competitive, and has approved provisions in the respective schedules regarding the collection of assessment from employers and employees. The purpose of this assessment is to provide revenue for the enforcement of the schedule.

## ARREARS OF WAGES

Arrears of wages amounting to \$71.51 were collected from three employers and after investigation by the Industry and Labour Board were paid direct to the three employees affected.

There were no court cases during the fiscal year.

## SCHEDULES IN FORCE

At the close of the fiscal year there were 103 schedules in effect in Ontario under The Industrial Standards Act, as follows:

TRADES AND INDUSTRIES:	Number of schedules	Zone
(a) Schedules covering local zones:		
Baking.....	1	Ottawa
Barbering.....	59	Covering 105 separate municipalities
Bricklaying and stonemasonry.....	1	Ottawa
Bricklaying, stonemasonry and plastering.....	1	Galt
Building industry.....	1	Kitchener-Waterloo
Carpentry.....	14	Belleville, Brantford, Brockville, Cornwall, Galt, Goderich, Kirkland-Larder Lake, Ottawa, Owen Sound, Peterborough, St. Catharines, St. Thomas, Sault Ste. Marie, Timmins
Coal.....	1	Toronto
Coal hoisting.....	1	Toronto
Common labourers, construction industry.....	2	Ottawa, Windsor
Electrical repair and construction...	5	Kingston, Kirkland-Larder Lake, London, Ottawa, Windsor
Gasoline service.....	1	Toronto
Painting and decorating.....	3	Hamilton, Kingston, Ottawa
Plastering.....	2	Ottawa, Toronto
Plumbing and heating.....	5	Hamilton, Ottawa, St. Thomas, Township of Teck, Windsor
Soft furniture.....	1	Toronto
Taxicab.....	1	Toronto
(b) Schedules covering Ontario Zone:		
Brewing.....	1	
Hard furniture.....	1	
Ladies' cloak and suit.....	1	
Men's and boys' clothing.....	1	
Total.....	103	

## APPRENTICESHIP BRANCH

DIRECTOR OF APPRENTICESHIP: FRED J. HAWES

The fiscal year 1946 was the year of greatest responsibility for the Apprenticeship Branch since The Apprenticeship Act was passed in 1928. Opportunities for boys to learn trades were found in far greater numbers than for many years and more boys were anxious to become indentured in the designated trades.

### BUILDING TRADES

Good results were obtained from the efforts put forth to obtain apprentices in the building trades, and the number of contracts registered showed an increase over previous years. This increase in the numbers of apprentices caused considerable anxiety because of the school accommodation, which was limited to that available in the vocational schools throughout the Province. With the co-operation of the Director of Vocational Training for Ontario, the Director of Canadian Vocational Training, the vocational school principals and the committees in Toronto, Hamilton, St. Catharines, Windsor and Ottawa, training classes were organized and conducted successfully during the four months from January to April, 1946, for apprentices of the first and second years. In the first two months 273 apprentices were in attendance at classes located in ten schools, and in the second two months 240 apprentices were in attendance at classes in nine schools. At the conclusion of these classes a prize distribution was held at each centre.

The training programme established by the Provincial Advisory Committee for Building Trades at the request of and with the approval of the Department of Veterans' Affairs was in full operation and 403 trainees finished their school training and were placed under signed contracts to complete their training on the job and gain the experience necessary for them to become competent mechanics. Seventy-eight trainees were placed on a probationary basis to be registered later under signed contract. In addition to school graduates, many ex-service men who already had some experience in the building trades were placed in jobs for further training and experience.

In order to provide the numbers of skilled mechanics required to keep pace with the development of the building programme in Ontario once the shortage of materials has been overcome, apprenticeship training must expand greatly and continue to expand for several years. This pressing need for competent building tradesmen has aroused considerable interest and many employers are realizing more fully what a valuable contribution is made to their industry by an orderly apprenticeship system, with careful selection and proper trade school instruction in the training of mechanics.

### PROVINCIAL ADVISORY COMMITTEE FOR THE BUILDING TRADES

The members of the Provincial Advisory Committee for the Building Trades devoted considerable time to the supervision of school training and job placement, and, with the increase in the registrations of apprentices, a total of 330, and in the numbers of ex-service men entering the building trades and the training schools, a total of 1,917, meetings of the whole committee were necessary every month, as well as frequent meetings of subcommittees. This committee is composed of equal numbers of employer and employee representatives, as follows:

CHAIRMAN: JOS. M. PIGOTT

MEMBERS: Employers' Representatives

H. J. Ball  
J. Kenyon  
H. C. Nicholls  
P. C. Mansell  
E. F. Longfellow

Employees' Representatives

A. J. Crawford  
Cecil M. Shaw  
John W. Bruce  
A. Cooper  
Wm. Jenoves

REPRESENTING THE DEPARTMENT OF EDUCATION: A. M. Moon, Assistant Director of Vocational Education

SECRETARY: FRED J. HAWES



## MOTOR VEHICLE REPAIR TRADE

Under the amendment of 1944 to The Apprenticeship Act, the regulations for the motor vehicle repair trade were amended to require mechanics engaged in the trade to hold certificates of qualification. This new requirement resulted in a considerable increase in activity and interest on the part of those engaged in the trade. The number of certificates of qualification issued during the year totalled 12,520, of which 616 were issued upon examination, 2,722 were issued without examination to mechanics who had satisfied the Provincial Advisory Committee of their ability to continue in the trade as competent mechanics, and 9,182 were renewal certificates.

With the exception of discharged members of the armed forces, the only persons who may now enter the trade are minors who are required to become registered apprentices. It will therefore be necessary for the trade to employ apprentices in far greater numbers and to provide greater opportunities for them to learn the trade thoroughly, so that they may be prepared at the end of their apprenticeship to take the examination for certificates of qualification. During the year 280 apprentices were registered, and, while this number shows an increase of 155 as compared with the preceding year, it is entirely inadequate to provide for the requirements of the trade.

In agreement with the Department of Veterans' Affairs and in co-operation with the Canadian Vocational Training, the Apprenticeship Branch assisted 516 ex-service men to enter the trade, of whom 104 school trainees were placed in employment as trainees with employers who signed contracts to provide them the opportunity of obtaining the experience necessary to become fully competent.

## PROVINCIAL ADVISORY COMMITTEE FOR THE MOTOR VEHICLE REPAIR TRADE

The Provincial Advisory Committee for the Motor Vehicle Repair Trade held numerous meetings during the year. The personnel of the committee is as follows:

## CHAIRMAN: FRED J. HAWES

## MEMBERS: Employers' Representatives

Howard B. Moore  
J. L. Stewart  
H. W. Harper  
George Beattie  
Ed. Wadham  
W. Forsyth  
J. A. Hearn  
R. D. Salmond

## Employees' Representatives

John Munro  
William Farley  
D. Lyons  
B. Lozon

## BARBER TRADE

During the year the barbers carried on an active campaign to have the regulations amended to make it compulsory for all persons engaged in the trade, other than registered apprentices, to obtain certificates of qualification. Their petition is still under consideration.

Fourteen apprentices received training during the year and thirty-one civilians were trained in the barber school. Training in the barber school has become the accepted method of learning the trade, but the one licensed school in Ontario can accommodate a limited number only. It will therefore be necessary for large numbers to become registered apprentices in the trade, if a supply of trained barbers sufficient to meet the needs of the trade is to be provided. Several schools have been established for the training of ex-service men and have trained and placed thirty-five barbers during the year.

## PROVINCIAL ADVISORY COMMITTEE FOR THE BARBER TRADE

The members of the Provincial Advisory Committee for the Barber Trade are as follows:

CHAIRMAN: FRED J. HAWES

MEMBERS: Employers' Representatives

C. D. Stevenson  
Hilliard Bruce  
Otto Maluske

Employees' Representatives

P. C. Hollier  
Wm. Stickles  
George Macdonald

## HAIRDRESSING TRADE

Eighty-one apprentices registered in the hairdressing trade during the year, and sixty-three completed their training. The hairdressing schools were filled to capacity. The students in these schools who took the examinations conducted by the Apprenticeship Branch totalled 604, of whom 547 were successful. All competent operators were placed in employment. The rehabilitation training centres trained and placed twenty-nine hairdressers.

## PROVINCIAL ADVISORY COMMITTEE FOR THE HAIRDRESSING TRADE

The Provincial Advisory Committee for the Hairdressing Trade held four meetings during the year. The members of this committee are as follows:

CHAIRMAN: FRED J. HAWES

MEMBERS: Employers' Representatives

W. O. Wiegand  
J. D. Adams

Employees' Representatives

Jean McKay  
G. Duncan

## ASSISTANCE IN REHABILITATION

The rehabilitation plan drawn up in co-operation with the Department of Veterans' Affairs and the federal Department of Labour was put into effect in May 1945, and, under the supervision of the Director of Apprenticeship, a rehabilitation division was established in this Branch with a staff appointed for this special work. Large numbers of discharged personnel made use of the division and were advised in the matter of entering designated trades and the type of training best suited to their previous experience. Many of them attended trade training schools, and on completion of their school training, 997 of them were placed in jobs for further training under trainee agreement or pending agreement. During the year 595 ex-service men were evaluated as to experience prior to, during and subsequent to war service and were placed in jobs to complete their training. Thirty-five trainees in the motor vehicle repair trade from the training schools were placed under signed contract. Practically all ex-service men who took training in designated trades were found employment so that they could complete their training on the job.

## GENERAL

The first industry to take advantage of the training programme under The Vocational Training Co-ordination Act, 1942, was the planing mill, sash and door manufacturing industry, and a group of registered apprentices attended the class at the Central Technical School in Toronto from September to December, 1945. The committee for this industry has taken an active interest in the apprenticeship plans. These have been fully endorsed by the Ontario Retail Lumber Dealers' Association and considerable expansion is anticipated. A new mill is being equipped in Toronto for the training of ex-service men who will be placed as trainees in this industry. It is anticipated this equipment will be used in the future for the training of civilian apprentices.

The International Association of Machinists, Tool and Die Makers petitioned to have the trade brought within the scope of The Apprenticeship Act. Employers in the trade, while

subscribing to apprenticeship in principle, were not in favour of provincial direction by regulation, and the petition was therefore not granted by the Industry and Labour Board.

An application to have the air conditioning and refrigeration trade brought within the scope of the Act is still under consideration, and progress was made after several meetings with representatives of the trade.

The increasing interest in apprenticeship throughout the Province was indicated by the fact that forty-eight contracts of apprenticeship were registered by employers in trades other than designated trades and also by the numbers of meetings with representatives of various industries held for the purpose of discussing apprenticeship plans. Employers in one large industry drafted an apprenticeship programme which will be put into effect shortly with the full co-operation of the employees in the industry, and it is expected that other programmes will develop from these meetings and discussions.

The following tables indicate the activities of the Apprenticeship Branch for the fiscal year:

TABLE No. 1  
Registration of Apprentices by Trades  
as at March 31, 1946

Trade	Registrations		Cancellations		Completions		Active
	During year	Total	During year	Total	During year	Total	
Building trades:							
Bricklaying .....	24	281	1	37	3	186	58
Masonry .....	1	17	—	6	—	8	3
Carpentry .....	79	468	2	58	8	235	175
Painting and decorating .....	10	220	5	45	3	135	40
Plastering .....	10	154	—	20	—	112	22
Plumbing .....	71	975	14	221	11	472	282
Steamfitting .....	16	239	3	72	1	115	52
Sheet metal work .....	28	339	5	63	7	166	110
Electric wiring and installation ..	91	730	3	109	16	300	321
Total, 1946 .....	330	3,423	33	631	49	1,729	1,063
Total, 1945 .....	262	3,093	19	598	29	1,680	815
Motor vehicle repairing (a) .....	242	1,283	17	259	66	432	592
(b) .....	16	127	2	27	4	43	57
(c) .....	22	142	1	24	17	61	57
Hairdressing .....	81	1,434	32	389	63	788	257
Barbering .....	4	87	—	17	2	56	14
Total, all trades, 1946 .....	695	6,496	85	1,347	201	3,109	2,040
Total, all trades, 1945 .....	516	5,801	64	1,262	103	2,908	1,631

TABLE No. 2

## Distribution of Apprentices by Trades

For Fiscal Year Ending March 31, 1946

Trade	First year	Second year	Third year	Fourth year	Fifth year	Total
Building trades:						
Bricklaying.....	21	14	18	5	—	58
Masonry.....	1	—	2	—	—	3
Carpentry.....	58	67	36	14	—	175
Painting and decorating.....	8	13	11	8	—	40
Plastering.....	7	4	7	4	—	22
Plumbing.....	40	80	81	66	15	282
Steamfitting.....	12	11	15	14	—	52
Sheet metal work.....	17	39	44	10	—	110
Electric wiring and instal- lation.....	55	116	104	46	—	321
Total.....	219	344	318	167	15	1,063
Motor vehicle repairing.....	74	158	188	150	136	706
Hairdressing.....	38	102	117	—	—	257
Barbering.....	2	4	8	—	—	14
Grand total.....	333	608	631	317	151	2,040

Plumbing, steamfitting and motor vehicle repair trade are the three designated trades with an apprenticeship period of five years.

Hairdressing and barbering have an apprenticeship period of three years.

TABLE No. 3

## Registration of Apprentices by Trades

For the Fiscal Year Ending March 31, 1946

Trade	Active at beginning of year	Registration during year	Cancellation of registration	Unsatisfactory completions	Diplomas awarded	Active at close of year
Building trades:						
Bricklaying.....	38	24	1	—	3	58
Masonry.....	2	1	—	—	—	3
Carpentry.....	106	79	2	—	8	175
Painting and decorating.....	38	10	5	—	3	40
Plastering.....	12	10	—	—	—	22
Plumbing.....	236	71	14	—	11	282
Steamfitting.....	40	16	3	—	1	52
Sheet metal work.....	94	28	5	—	7	110
Electric wiring and installation.....	249	91	3	—	16	321
Total.....	815	330	33	—	49	1,063
Motor vehicle repairing (a)....	433	242	17	1	65	592
(b)....	47	16	2	—	4	57
(c)....	53	22	1	—	17	57
Hairdressing.....	271	81	32	8	55	257
Barbering.....	12	4	—	1	1	14
Grand total.....	1,631	695	85	10	191	2,040

TABLE No. 4

## Report of Examinations

For the Fiscal Year Ending March 31, 1946

Number of candidates examined:	At Toronto	At other centres	Totals
Motor vehicle repair trade.....	160	162	322
Hairdressing.....	426	330	756
Hairdressing teachers.....	12	—	12
Barbering.....	50	17	67
Barbering teachers.....	1	—	1
Grand totals.....	649	509	1,158



TABLE No. 4—Continued

Examinations were held in Toronto and at the various centres in accordance with arrangements made through local apprenticeship committees as follows:

Motor vehicle repair	Centres	Number of examinations	Number of candidates
	Barrie.....	1	2
	Belleville.....	1	11
	Brantford.....	1	13
	Cobourg.....	1	3
	Fort William.....	5	21
	Goderich.....	1	8
	Gravenhurst.....	1	4
	Grimsby.....	1	1
	Hamilton.....	2	10
	Kingston.....	1	13
	London.....	1	13
	Niagara Falls.....	1	5
	Orangeville.....	1	1
	Oshawa.....	1	4
	Ottawa.....	1	18
	Owen Sound.....	1	7
	St. Catharines.....	2	4
	St. Thomas.....	1	4
	Sarnia.....	1	5
	Stratford.....	1	3
	Thomasburg.....	1	1
	Tillsonburg.....	1	1
	Toronto.....	21	160
	Welland.....	1	6
	Windsor.....	1	4
	Totals.....	51	322
Hairdressing	Hamilton.....	9	145
	London.....	5	66
	Ottawa.....	3	29
	Toronto.....	24	426
	Timmins.....	2	20
	Windsor.....	4	70
	Totals.....	47	756
Barbering	Hamilton.....	6	8
	Ottawa.....	1	2
	Toronto.....	11	50
	Windsor.....	7	7
	Totals.....	25	67
Hairdressing teachers	Toronto.....	7	12
Barbering teachers	Toronto.....	1	1
	Grand totals.....	131	1,158

TABLE No. 5

## Report of Certificates Issued

For the Fiscal Year Ending March 31, 1946

	Motor vehicle repair	Barbering	Hairdressing	Totals
First certificate.....	2,722	58	40	2,820
By examination.....	616	81	678	1,375
By duplicate.....	40	6	14	60
By renewal.....	9,182	3,144	4,254	16,580
By miscellaneous.....	40	9	15	64
	<hr/> 12,600	<hr/> 3,298	<hr/> 5,001	<hr/> 20,899

TABLE No. 6

## Report of School Licenses

For the Calendar Year Ending December 31, 1945

	Hairdressing schools	Barbering schools
Number of schools in operation at close of previous year.....	13	1
Number of new licenses issued during year.....	1	—
Number of schools in operation at close of year.....	14	1

TABLE No. 7

## Report on Training and Placement of Discharged Members

of the Armed Forces in Designated Trades

For the Fiscal Year Ending March 31, 1946

Number of ex-service men under training agreement and placed in employment in the building trades.....	403	
Number placed on probation and awaiting agreement in the building trades.....	78	
	<hr/>	481
Number of ex-service men under training agreement and placed in employment in the motor vehicle repair trade.....	104	
Number placed on probation and awaiting agreement in the motor vehicle repair trade.....	412	
	<hr/>	516
Total placed in the building and motor vehicle repair trades.....		997
Number placed in the building trades.....	481	
Number placed in the motor vehicle repair trade.....	516	
Number placed in the barbering and hairdressing trades.....	64	
	<hr/>	
Total number placed in all designated trades.....		1,061
Number taking courses in Ontario training centres.....		2,523
Number approved and awaiting admission to centres.....		1,152

TABLE No. 8

## Report of Revenue

For the Fiscal Year Ending March 31, 1946

	Gross revenue	Refunds	Net revenue
Motor vehicle repair trade .....	\$16,843.00	\$495.50	\$15,547.50
Barbering trade .....	4,002.25	38.00	3,964.25
Hairdressing trade .....	8,350.50	144.50	8,206.00
Miscellaneous .....	37.63	—	37.63
Totals .....	\$28,433.38	\$678.00	\$27,755.38

## MINIMUM WAGE BRANCH

### INDUSTRY AND LABOUR BOARD

The Minimum Wage Act was first passed in 1920 and the first order was put into force in May 1921. All orders under the original Minimum Wage Act affected female employees only.

In 1937 a new Minimum Wage Act was passed permitting the issuance of orders covering male employees as well as female employees, and on March 1, 1938, a new order was issued covering the textile industry and providing for minimum wage rates for both male and female employees.

Since the first order became effective in May 1921, statistics have been collected covering the rates of wages paid to employees, and these statistics have been incorporated in the Annual Report of the Department of Labour each year.

### WAGE RETURNS

Wage information is collected also for the purpose of checking compliance with the provisions of the various orders issued under the Act. Employers are divided into groups and for further consolidation these groups are placed in nineteen classes which are given in the tables appended to this report.

The total number of employers reporting for the fiscal year 1946 was slightly lower than the totals in the last three years. The total of employees reported was lower than the totals for 1945 and 1943, and the total of female employees reported was lower than the totals for the three preceding years. These decreases, and especially that of approximately 20,000 in the number of female employees reported, indicate changes taking place in industry during the early months of the reconversion period.

	Fiscal years					
	1941	1942	1943	1944	1945	1946
Employers reporting.....	16,967	16,264	22,781	21,798	21,404	20,874
Employees of reporting firms.....	535,906	631,631	714,451	578,442	682,836	674,142
Female employees of reporting firms.....	151,278	210,257	224,879	224,459	243,234	223,175

### WAGE ADJUSTMENTS

Increases in wage rates were ordered for twenty-five employees in twenty establishments as compared with wage increases ordered for thirty-six employees in twenty-four establishments during the previous year.

### ARREARS OF WAGES

Arrears of wages amounting to \$147.27 were collected from five employers on behalf of twelve employees as compared with \$123.13 collected from three employers on behalf of three employees in 1945.

### COMPLAINTS AND PROSECUTIONS

Five complaints of failure to pay the required minimum wage rate were received, as compared with three complaints during the previous year.

One employer was prosecuted under two sections of the Act. The case was dismissed. There were no prosecutions the previous year.

## HOMEWORK

Rates of pay for homework submitted by 422 employers were approved, as compared with 420 employers in 1945. For approval rates must in no case be lower than the minimum rates prescribed in the order under the Minimum Wage Act.

## HANDICAPPED WORKERS

Permits to employers authorizing the employment of handicapped workers at rates lower than the prescribed minimum rates were issued to thirty-five employers for forty-six employees. In 1945 the corresponding figures were forty-five employers and sixty-two employees.



## Analyses of Wage Returns for Fiscal Year Ending March 31, 1946

## Auditing and Accounting

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	211		119		106		11	
(b) Having no female employees...	25		8		4		2	
(c) With no employees, out of business or failing to report.....	9		4		6		..	
(d) Total questionnaires sent.....	245		131		116		13	
Number of Employees:								
(a) Male.....	1,795		395		196		5	
(b) Women.....	1,247		394		219		21	
(c) Girls—under 18 years.....	20		9		10		..	
(d) Total reported.....	3,062		798		425		26	
Average hours per week (normally)...	41		40		39		46	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	1	..
10.00 — 12.00.....	..	..	3	..	1	..	2	..
12.00 — 14.00.....	4	1	12	..	10	2	2	..
14.00 — 16.00.....	27	4	16	..	24	3	4	..
16.00 — 20.00.....	192	15	96	7	57	5	6	..
20.00 — 25.00.....	400	..	148	2	82	..	3	..
25.00 — 30.00.....	353	..	85	..	33	..	2	..
30.00 and up.....	271	..	34	..	12	..	1	..

## Autos, Accessories, Aircraft and Electrical Trades

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	235		109		109		57	
(b) Having no female employees...	22		11		5		3	
(c) With no employees, out of business, or failing to report.....	39		14		9		16	
(d) Total questionnaires sent.....	296		134		123		76	
Number of Employees:								
(a) Male.....	9,865		27,794		23,934		11,354	
(b) Women.....	5,540		5,084		8,057		3,753	
(c) Girls—under 18 years.....	287		305		477		147	
(d) Total reported.....	15,692		33,188		32,468		15,254	
Average hours per week (normally)...	43.5		45.5		43		44	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	1	..
10.00 — 12.00.....	..	..	1	..	2	1	1	..
12.00 — 14.00.....	2	7	11	18	8	13	17	10
14.00 — 16.00.....	18	24	20	19	65	26	18	4
16.00 — 20.00.....	565	77	507	91	716	86	248	32
20.00 — 25.00.....	2,285	144	1,086	95	2,590	250	802	54
25.00 — 30.00.....	1,679	30	2,016	74	1,622	75	940	42
30.00 and up.....	991	5	1,443	8	3,054	26	1,727	5

## Auto Sales and Service

Population Zones	Toronto		Other cities over 50,000		10,000 to 50,000		4,000 to 10,000	
Number of Employers:								
(a) Reporting female employees...	53		39		88		40	
(b) Having no female employees...	5		4		5		9	
(c) With no employees, out of business, or failing to report.....	1		2		2		4	
(d) Total questionnaires sent.....	59		45		95		53	
Number of Employees:								
(a) Male.....	1,488		989		921		235	
(b) Women.....	546		362		170		48	
(c) Girls—under 18 years.....	1		2		..		2	
(d) Total reported.....	2,035		1,353		1,091		285	
Average hours per week (normally) ..	45.5		45.5		45		45	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	..	..
10.00 — 12.00.....	..	..	..	..	4	..	3	..
12.00 — 14.00.....	1	1	1	..	13	..	10	1
14.00 — 16.00.....	6	..	4	..	28	..	12	..
16.00 — 20.00.....	37	..	26	..	44	..	8	1
20.00 — 25.00.....	143	..	183	2	45	..	7	..
25.00 — 30.00.....	315	..	123	..	19	..	8	..
30.00 and up.....	44	..	25	..	17	..	..	..

## Beverages, Drugs, Tobacco

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees	257		98		114		76	
(b) Having no female employees...	12		16		10		16	
(c) With no employees, out of business, or failing to report.....	22		15		8		5	
(d) Total questionnaires sent.....	291		129		132		97	
Number of Employees:								
(a) Male.....	5,704		3,401		4,283		2,679	
(b) Women.....	3,889		1,741		1,095		1,301	
(c) Girls—under 18 years.....	203		94		50		140	
(d) Total reported.....	9,796		5,236		5,428		4,120	
Average hours per week (normally) ..	42		43		43		43	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	..	..
10.00 — 12.00.....	..	..	..	..	6	..	4	1
12.00 — 14.00.....	52	9	2	..	4	..	74	22
14.00 — 16.00.....	95	21	65	11	34	8	43	6
16.00 — 20.00.....	1,147	116	502	49	268	23	180	19
20.00 — 25.00.....	1,182	41	281	27	428	19	794	86
25.00 — 30.00.....	680	6	410	7	218	..	124	6
30.00 and up.....	733	10	481	..	137	..	82	..

## Brokers

Population Zones	Toronto	Other cities over 50,000		Remainder of Province			
Number of Employers:							
(a) Reporting female employees.....	183		52		30		
(b) Having no female employees.....	16		6		2		
(c) With no employees, out of business, or failing to report.....	4		5		1		
(d) Total questionnaires sent.....	203		63		33		
Number of Employees:							
(a) Male.....	1,626		107		30		
(b) Women.....	1,207		130		90		
(c) Girls—under 18 years.....	41		1		2		
(d) Total reported.....	2,874		238		122		
Average hours per week (normally).....	40.5		40		40		
		Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:							
Under \$8.00 per week.....	..	..	..	..	..	..	..
8.00 – 10.00.....	..	..	..	..	..	..	..
10.00 – 12.00.....	..	..	3	..	..	..	..
12.00 – 14.00.....	7	..	1	..	3	..	..
14.00 – 16.00.....	13	7	7	..	10	1	..
16.00 – 20.00.....	112	14	24	1	17	1	..
20.00 – 25.00.....	368	19	48	..	33	..	..
25.00 – 30.00.....	460	1	32	..	16	..	..
30.00 and up.....	247	..	15	..	11	..	..

## Clothing and Needle Trades

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	685		111		110		19	
(b) Having no female employees...	4		..		..		..	
(c) With no employees, out of busi- ness, or failing to report.....	24		11		6		1	
(d) Total questionnaires sent.....	713		122		116		20	
Number of Employees:								
(a) Male.....	6,744		437		1,031		187	
(b) Women.....	10,325		1,082		2,859		432	
(c) Girls—under 18 years.....	207		51		246		45	
(d) Total reported.....	17,276		1,570		4,136		664	
Average hours per week (normally) ..	42.5		46		45		47.5	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	7	3	..	..
8.00 – 10.00.....	1	..	..	1	5	4	10	7
10.00 – 12.00.....	5	1	5	1	52	7	10	9
12.00 – 14.00.....	30	23	42	4	149	43	79	10
14.00 – 16.00.....	224	37	121	7	276	65	59	9
16.00 – 20.00.....	1,943	95	313	34	914	77	160	7
20.00 – 25.00.....	2,772	38	288	4	855	36	79	2
25.00 – 30.00.....	2,100	6	180	..	398	11	23	..
30.00 and up.....	3,250	7	133	..	203	..	12	1

## Construction and Engineering Contractors—Office Employees

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	55		31		28		8	
(b) Having no female employees...	19		4		3		..	
(c) With no employees, out of business, or failing to report.....	2		8		1		..	
(d) Total questionnaires sent.....	76		43		32		8	
Number of Employees:								
(a) Male.....	4,215		2,592		967		750	
(b) Women.....	272		83		50		66	
(c) Girls—under 18 years.....	29		..		..		6	
(d) Total reported.....	4,516		2,675		1,017		822	
Average hours per week (normally) ..	40.5		41		41		41	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	..	..
10.00 — 12.00.....	..	..	..	..	..	..	1	..
12.00 — 14.00.....	1	..	2	..	4	..	1	..
14.00 — 16.00.....	9	7	4	..	3	..	..	..
16.00 — 20.00.....	27	19	10	..	11	..	9	6
20.00 — 25.00.....	88	3	31	..	16	..	30	..
25.00 — 30.00.....	101	..	25	..	12	..	10	..
30.00 and up.....	46	..	11	..	4	..	15	..

## Food and Food Products (including Seasonal Canning)

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees . . .	228		296		310		363	
(b) Having no female employees . . .	2		20		12		20	
(c) With no employees, out of business, or failing to report . . . . .	6		16		11		15	
(d) Total questionnaires sent . . . . .	236		332		333		398	
Number of Employees:								
(a) Male . . . . .	12,526		6,305		9,662		9,150	
(b) Women . . . . .	5,896		2,432		3,874		5,963	
(c) Girls—under 18 years . . . . .	512		325		363		449	
(d) Total reported . . . . .	18,934		9,062		13,899		15,562	
Average hours per week (normally) . .	44		47		46		47.5	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week . . . . .	..	..	..	..	..	..	14	1
8.00 — 10.00 . . . . .	..	..	..	..	1	..	27	2
10.00 — 12.00 . . . . .	..	..	16	16	15	5	98	11
12.00 — 14.00 . . . . .	26	6	148	72	117	53	348	57
14.00 — 16.00 . . . . .	161	34	232	59	265	62	713	90
16.00 — 20.00 . . . . .	2,545	301	832	104	1,917	181	2,393	130
20.00 — 25.00 . . . . .	1,828	163	773	74	1,004	54	1,540	145
25.00 — 30.00 . . . . .	863	8	300	..	383	8	462	12
30.00 and up . . . . .	473	..	131	..	172	..	368	1

## Furniture, Upholstering, Lumber and Wood Products

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	134		64		164		170	
(b) Having no female employees...	35		19		25		43	
(c) With no employees, out of business, or failing to report.....	44		15		20		40	
(d) Total questionnaires sent.....	213		98		209		253	
Number of Employees								
(a) Male.....	3,009		1,697		7,702		11,336	
(b) Women.....	611		300		1,035		1,263	
(c) Girls—under 18 years.....	21		10		138		206	
(d) Total reported.....	3,641		2,007		8,873		12,805	
Average hours per week (normally) ..	43		43		44		45	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	..	..	..	..	2	3
10.00 — 12.00.....	..	1	..	..	..	2	8	7
12.00 — 14.00.....	1	..	..	..	55	51	91	62
14.00 — 16.00.....	3	1	9	..	83	21	165	53
16.00 — 20.00.....	138	6	52	9	365	49	483	61
20.00 — 25.00.....	245	8	45	..	270	12	302	14
25.00 — 30.00.....	111	4	110	1	146	3	128	6
30.00 and up.....	113	1	84	..	114	..	84	..

## Hairdressing and Beauty Parlors

Population Zones	Toronto		Other cities over 50,000		10,000 to 50,000		5,000 to 10,000	
Number of Employers:								
(a) Reporting female employees...	269		127		138		58	
(b) Having no female employees...	39		9		15		9	
(c) With no employees, out of business, or failing to report.....	11		4		8		1	
(d) Total questionnaires sent.....	319		140		161		68	
Number of Employees:								
(a) Male.....	64		53		6		1	
(b) Women.....	867		453		332		117	
(c) Girls—under 18 years.....	..		..		..		..	
(d) Total reported.....	931		506		338		118	
Average hours per week (normally) ..	46		45		46.5		47	
	Women		Women		Women		Women	
Hourly rates of wages:								
Under 17 cents per hour.....	6		1		18		6	
17 — 21 cents.....	3		4		6		1	
21 — 25 ".....	1		7		25		6	
25 — 29 ".....	22		37		49		17	
29 — 33 ".....	61		68		66		29	
33 — 42 ".....	177		119		54		17	
42 — 52 ".....	255		108		62		29	
52 — 62 ".....	174		67		34		10	
62 and up.....	168		42		18		2	



## Jewellery, Leather Goods and Rubber

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	237		57		104		42	
(b) Having no female employees...	36		19		25		6	
(c) With no employees, out of business, or failing to report.....	46		21		27		11	
(d) Total questionnaires sent.....	319		97		156		59	
Number of Employees:								
(a) Male.....	6,219		1,354		11,484		3,241	
(b) Women.....	3,701		688		4,575		1,377	
(c) Girls—under 18 years.....	274		85		553		193	
(d) Total reported.....	10,194		2,127		16,612		4,811	
Average hours per week (normally) ..	42		44.5		45.5		45	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	..	..	..
8.00 — 10.00.....	..	..	1	..	..	1	..	2
10.00 — 12.00.....	..	4	1	1	5	3	14	20
12.00 — 14.00.....	17	3	19	12	51	59	46	12
14.00 — 16.00.....	101	14	72	19	148	60	209	48
16.00 — 20.00.....	918	119	199	39	1,034	192	421	64
20.00 — 25.00.....	1,477	80	203	12	1,903	199	412	37
25.00 — 30.00.....	726	35	113	2	892	24	170	7
30.00 and up.....	462	19	80	..	542	15	105	3

## Laundries, Dyers and Cleaners

Population Zones	Toronto		Other cities over 50,000		Remainder of Province	
Number of Employers:						
(a) Reporting female employees.....	224		120		193	
(b) Having no female employees.....	6		3		4	
(c) With no female employees, out of business, or failing to report.....	7		..		2	
(d) Total questionnaires sent.....	237		123		199	
Number of Employees:						
(a) Male.....	1,611		1,043		1,283	
(b) Women.....	2,732		1,929		2,163	
(c) Girls—under 18 years.....	41		44		86	
(d) Total reported.....	4,384		3,016		3,532	
Average hours per week (normally) ..	46.5		47		48	
	Women	Girls	Women	Girls	Women	Girls
Hourly rate of wages:						
Under 17 cents per hour.....	..	..	..	..	..	..
17 — 21 cents.....	..	..	..	..	8	1
21 — 25 ".....	..	..	5	2	63	15
25 — 29 ".....	15	1	122	21	228	12
29 — 33 ".....	333	19	410	10	385	25
33 — 42 ".....	1,617	18	769	10	1,011	28
42 — 52 ".....	555	3	425	..	337	5
52 — 62 ".....	150	..	134	1	90	..
62 and up.....	62	..	64	..	41	..

## Machinery and Metal Products

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	389		222		292		113	
(b) Having no female employees...	65		43		60		30	
(c) With no employees, out of business, or failing to report.....	65		37		38		32	
(d) Total questionnaires sent.....	519		302		390		175	
Number of Employees:								
(a) Male.....	26,478		26,706		39,363		9,502	
(b) Women.....	7,968		4,421		6,370		1,686	
(c) Girls—under 18.....	266		100		379		103	
(d) Total reported.....	34,712		31,227		46,112		11,291	
Average hours worked (normally)....	43		41.5		45.5		44	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	1	..	..
8.00 – 10.00.....	1	..	..	..	1	..	1	4
10.00 – 12.00.....	..	..	1	..	19	3	4	3
12.00 – 14.00.....	6	1	4	..	30	23	33	17
14.00 – 16.00.....	28	10	30	3	247	67	71	22
16.00 – 20.00.....	830	87	670	29	1,071	131	327	33
20.00 – 25.00.....	2,212	112	1,529	45	2,014	108	649	20
25.00 – 30.00.....	2,383	50	1,054	19	1,468	27	341	3
30.00 and up.....	2,508	6	1,133	4	1,520	19	260	1

## Mining and Quarrying, Non-Metallic and Miscellaneous

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees..	483		157		199		152	
(b) Having no female employees...	74		61		74		77	
(c) With no employees, out of business, or failing to report.....	172		82		84		84	
(d) Total questionnaires sent.....	729		300		357		313	
Number of Employees:								
(a) Male.....	9,389		3,967		14,149		21,269	
(b) Women.....	6,056		1,856		4,207		1,736	
(c) Girls—under 18 years.....	319		168		433		149	
(d) Total reported.....	15,764		5,991		18,789		23,154	
Average hours per week (normally) ..	41.5		42		44		42.5	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	..	..	1	..	2
8.00 – 10.00.....	1	..	..	..	1	8	4	4
10.00 – 12.00.....	1	..	1	1	6	1	11	9
12.00 – 14.00.....	16	7	11	8	62	26	84	26
14.00 – 16.00.....	122	28	97	57	195	68	120	14
16.00 – 20.00.....	1,683	188	620	74	1,072	175	411	42
20.00 – 25.00.....	2,239	78	513	23	1,426	119	500	50
25.00 – 30.00.....	1,112	17	407	5	826	24	356	2
30.00 and up.....	882	1	207	..	619	11	250	..

## Paper, Paper Products, Advertising, Photography and Printing

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	572		176		228		119	
(b) Having no female employees...	34		17		13		5	
(c) With no employees, out of business, or failing to report.....	101		49		38		13	
(d) Total questionnaires sent.....	707		242		279		137	
Number of Employees:								
(a) Male.....	11,819		4,783		14,178		7,539	
(b) Women.....	7,864		2,587		2,324		1,156	
(c) Girls—under 18 years.....	614		285		211		114	
(d) Total reported.....	20,297		7,655		16,713		8,809	
Average hours per week (normally)...	42.5		45		45		44.5	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 per week.....	..	..	..	1	..	2	..	..
8.00 — 10.00.....	1	..	..	..	2	7	4	2
10.00 — 12.00.....	2	..	8	4	43	10	27	10
12.00 — 14.00.....	52	66	106	28	117	34	74	19
14.00 — 16.00.....	557	135	283	91	268	52	92	6
16.00 — 20.00.....	2,623	337	898	128	781	77	331	35
20.00 — 25.00.....	2,648	67	798	32	649	29	407	40
25.00 — 30.00.....	1,069	8	298	1	259	..	113	2
30.00 and up.....	912	1	196	..	205	..	108	..

## Recreation and Amusement

Population Zones	Toronto		Other cities over 50,000		Remainder of Province	
Number of Employers:						
(a) Reporting female employees.....	160		61		161	
(b) Having no female employees.....	8		1		1	
(c) With no employees, out of business, or failing to report.....	3		1		10	
(d) Total questionnaires sent.....	171		63		172	
Number of Employees:						
(a) Male.....	1,915		550		1,182	
(b) Women.....	1,351		440		723	
(c) Girls—under 18 years.....	20		10		74	
(d) Total reporting.....	3,286		1,000		1,979	
Average hours per week (normally).....	3-48; 42		5-48; 44		3-48; 43	
	Women	Girls	Women	Girls	Women	Girls
Hourly rates of wages.....						
Under 17 cents per hour.....	..	..	..	..	..	..
17 — 21 cents.....	..	..	..	..	1	..
21 — 25 ".....	..	..	..	..	4	..
25 — 29 ".....	4	..	20	3	70	17
29 — 33 ".....	104	3	97	1	112	28
33 — 42 ".....	274	14	158	5	288	14
42 — 52 ".....	472	1	97	1	159	8
52 — 62 ".....	295	2	42	..	43	7
62 and up.....	202	..	26	..	46	..

## Restaurants and Hotels

Population Zones	Toronto	Other cities over 50,000	10,000 to 50,000	4,000 to 10,000
Number of Employers:				
(a) Reporting female employees.....	644	376	652	259
(b) Having no female employees.....	53	27	18	8
(c) With no employees, out of busi- ness, or failing to report.....	28	13	13	7
(d) Total questionnaires sent.....	725	416	683	274
Number of Employees:				
(a) Male.....	4,104	2,685	2,384	814
(b) Women.....	7,333	3,759	3,964	1,559
(c) Girls—under 18 years.....	..	..	..	..
(d) Total reported.....	11,437	6,444	6,348	2,373
Average hours per week (normally)....	47	46	46½	48
	Women	Women	Women	Women
Hourly rates of wages:				
Under 17 cents per hour.....	..	..	1	..
17 – 21 cents.....	..	..	3	8
21 – 25 “.....	..	..	77	43
25 – 29 “.....	36	252	565	295
29 – 33 “.....	650	749	970	356
33 – 42 “.....	3,036	1,608	1,527	563
42 – 52 “.....	2,512	869	623	190
52 – 62 “.....	805	191	138	67
62 and up.....	294	90	60	37

## Trade and Distribution

Population Zones	Toronto		Other cities over 50,000		5,000 to 50,000		Under 5,000	
Number of Employers:								
(a) Reporting female employees...	1,407		1,089		1,873		1,224	
(b) Having no female employees...	23		21		31		14	
(c) With no employees, out of business, or failing to report.....	118		72		108		86	
(d) Total questionnaires sent.....	1,548		1,182		2,012		1,324	
Number of Employees:								
(a) Male.....	15,819		7,436		7,828		2,515	
(b) Women.....	18,424		9,959		11,481		3,647	
(c) Girls—under 18 years.....	2,074		887		1,649		593	
(d) Total reported.....	36,317		18,282		20,958		6,755	
Average hours per week (normally) ..	44		44		43		44	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Weekly rates of wages:								
Under \$8.00 a week.....	..	..	2	..	1	1	12	21
8.00 – 10.00.....	..	2	6	2	24	32	173	109
10.00 – 12.00.....	6	3	24	2	418	142	436	153
12.00 – 14.00.....	149	309	796	263	1,532	413	910	154
14.00 – 16.00.....	1,488	1018	2,039	302	2,793	749	772	83
16.00 – 20.00.....	8,152	661	3,669	267	3,863	277	798	59
20.00 – 25.00.....	5,308	75	2,067	44	1,984	30	371	12
25.00 – 30.00.....	1,891	5	796	7	599	5	124	2
30.00 and up.....	1,430	1	560	..	267	..	51	..

## Telephone and Transports

Population Zones	Toronto		Other cities over 50,000		10,000 to 50,000		4,000 to 10,000		Over 300 lines		50 to 300 lines	
	Women	Girls	Women	Girls	Women	Girls	Women	Girls	Women	Girls	Women	Girls
Number of Employers:												
(a) Reporting female employees.....	47		44		76		37		49		165	
(b) Having no female employees.....	8		..		1		..		..		7	
(c) With no employees, out of business, or failing to report....	2		..		..		..		..		4	
(d) Total questionnaires sent.....	57		44		77		37		49		176	
Number of Employees:												
(a) Male.....	8,140		2,557		1,897		244		135		148	
(b) Women.....	2,760		1,264		1,432		492		369		734	
(c) Girls—under 18 years.....	212		165		246		57		37		41	
(d) Total reported.....	11,112		3,986		3,575		793		541		923	
Average hours per week (normally).....	40.5		40		44		45		46		45	
Hourly rates of wages:												
Under 17 cents per hour.....	..	..	..	..	..	..	..	..	..	..	9	..
17 - 21 cents.....	..	..	..	..	..	..	..	..	..	..	35	..
21 - 25 ".....	..	..	..	..	1	..	..	..	2	..	62	5
25 - 29 ".....	1	..	..	..	5	1	5	..	12	5	76	4
29 - 33 ".....	4	..	2	2	27	10	15	3	33	7	67	16
33 - 42 ".....	143	40	184	99	313	165	127	44	131	22	302	14
42 - 52 ".....	1,017	149	356	64	584	70	232	10	134	3	118	2
52 - 62 ".....	707	2	436	..	331	..	71	..	37	..	52	..
62 and up.....	888	21	286	..	171	..	42	..	20	..	13	..



## APPENDIX

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
New Toronto	Tire factory workers	April 5	Canteen privileges for certain workers; terminated April 24; conciliation, federal and provincial, and return of workers pending settlement; indefinite.	2,117	17,500
Brantford	Motor vehicle factory workers	April 18	Against dismissal of two foremen for alleged misconduct; terminated April 23; return of workers pending reference to National Selective Service; indefinite.	308	700
Toronto	Textile factory workers	April 9	For increased wages; terminated April 16; return of workers pending decision of Regional War Labour Board; in favour of employer.	12	60
Hamilton	Thread factory workers	April 26	Against demotion of union steward from job of acting supervisor to his regular work; terminated May 2; conciliation, provincial; in favour of employer.	82	265
Niagara Falls	Brass factory workers	April 18	For increased wages; terminated April 19; return of workers; in favour of employer.	67	50
Toronto	Carpenters	May 22	For payment for V-E Day; terminated May 22; negotiations in favour of workers.	127	35
Hamilton	Meat packing plant workers	May 31	Protesting delay in signing union agreement pending decision of Regional War Labour Board re wages; terminated June 4; conciliation, provincial, and further negotiations; in favour of workers.	153	535
Welland	Metal factory workers	May 9	Against reduction from 8 to 7 men on furnace crews when power reduced; terminated May 10; negotiations; compromise, one furnace shut down and crew absorbed on other furnaces.	173	200
Windsor	Aircraft parts factory workers	June 4	Seniority in promotion of worker to job of foreman; terminated June 5; negotiations; in favour of employer.	231	50

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Sarnia	Brass factory workers	June 9	Refusal of a female worker to join union; terminated June 11; return of workers; in favour of employer.	175	285
Niagara Falls	Brass factory workers	June 13	Alleged discrimination in dismissal of two workers; terminated June 13; return of workers; in favour of employer.	67	67
Toronto	Foundry workers	June 14	Re application of wage rates in Finding and Direction of Regional War Labour Board; terminated June 16; return of employees; in favour of employer.	30	90
Brantford	Metal factory workers	June 22	For hourly instead of piece-work rates of pay; terminated June 23; negotiations; compromise temporary schedule until job evaluation completed.	136	272
Guelph	Foundry workers	June 26	Protest against Finding and Direction of National War Labour Board disallowing most of wage increases approved by the Regional War Labour Board; terminated July 11; return of workers pending further negotiations; indefinite.	227	2,850
Kitchener	Tire factory workers	July 28	For increased wages for maintenance men while on plant reconstruction work; terminated August 16; conciliation, provincial, and return of workers pending reference to a referee; indefinite.	1,306	12,540
Toronto	Meat packing plant workers	July 17	For dismissal of a worker suspended from the union; terminated August 3; conciliation, provincial and return of workers pending reference to arbitration; indefinite.	1,498	14,200
Peterborough	Meat packing plant workers	July 26	In sympathy with strikers at Toronto, July 17; terminated August 3; conciliation, provincial, and return of workers pending reference to arbitration; indefinite.	190	1,425

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Weston	Foundry workers	July 5	For check-off in new agreement under negotiations; terminated July 5; conciliation (federal) and return of workers pending settlement; indefinite.	139	125
Orillia	Foundry workers	July 18	Protesting an appeal by the company to National War Labour Board against decision of Regional War Labour Board re increased wages; terminated July 19; conciliation, provincial, and return of workers pending decision of National War Labour Board; indefinite.	57	114
Windsor	Plumbers	July 12	Against Finding and Direction of National War Labour Board cancelling wage increase approved by Regional War Labour Board; terminated August 15; conciliation, provincial, and further reference to R.W.L.B.; in favour of workers.	75	1,875
Toronto	Electrical workers	July 5	For increased wages; terminated July 5; conciliation, civic, and return of workers pending reference to arbitration; compromise.	97	75
Port McNicoll	Freight handlers	July 5	Amendment of clauses in agreement affecting wages and working conditions; terminated July 7; return of workers pending further negotiations; indefinite.	136	375
Windsor	Aircraft parts factory workers	Aug. 2	Alleged violation of seniority in transfer of two female machine operators; terminated August 8; return of workers pending reference to arbitration; indefinite.	173	820
Guelph	Wire factory workers	Aug. 16	For implementation of Majority Report of Conciliation Board re check-off; terminated November 26; conciliation, civic, and return of workers pending negotiations; indefinite.	246	10,250

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Galt	Brass factory workers	Aug. 20	Misunderstanding re payment of wages for one day on which plant shut down without sufficient notice; terminated August 20; negotiations; in favour of workers.	20	20
Long Branch	Munitions factory workers	Aug. 21	Protesting layoffs due to cancellation of war contracts; terminated August 23; return of workers; in favour of employer.	735	880
Oshawa	Bus drivers	Aug. 1	Against suspension of a driver after a dispute with garage mechanic; terminated August 3 and 13; negotiations and return of workers pending investigation; indefinite.	31	93
Windsor	Gas plant workers	Aug. 9	For transfer of a worker to another job because of poor health; terminated August 11; conciliation, provincial; compromise, worker given other work temporarily.	100	250
Kitchener	Rubber factory workers	Sept. 1	For increased wages for mixers; terminated September 8; negotiations and return of workers pending joint application to Regional War Labour Board; indefinite.	41	123
Kitchener	Tire factory workers	Sept. 21	Against working with a foreman transferred from department recently shut down; terminated September 24; conciliation, provincial; compromise; worker to be given other work later.	130	335
Kitchener	Rubber footwear workers	Sept. 29	Protest against Finding and Direction of Regional War Labour Board concerning wages; terminated September 29; return of workers pending investigation; indefinite.	1,187	1,187
Toronto	Munitions factory workers	Sept. 11	Protesting layoffs due to cancellation of war contracts; terminated September 11; return of workers; in favour of employer.	150	38

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Windsor	Motor vehicle factory workers	Sept. 12	For a new agreement providing for a union shop, check-off, grievance procedure, etc.; terminated December 29; conciliation and reference to arbitration; indefinite, federal.	10,000	915,000
Hamilton	Steel mill workers	Sept. 30	Protest against proposed extra shift per week; terminated September 30; return of workers pending settlement; indefinite.	50	50
Windsor	Printers	Oct. 3	For a greater increase in wages than approved by Regional War Labour Board; terminated October 4; return of workers; in favour of employer.	58	110
Hamilton	Metal factory workers	Oct. 19	Alleged delay in negotiations for a new agreement; terminated October 23; conciliation, provincial and return of workers pending further negotiations; indefinite.	136	500
Toronto	Jewelers	Oct. 4	For a new agreement providing for apprenticeship control, vacations with pay, hours of work, etc.; terminated October 22; in favour of workers.	175	2,500
Toronto	Bakery workers and drivers	Nov. 25	For a union agreement providing for a union shop, check-off, etc.; terminated January 16; negotiations; compromise; check-off clause agreed to.	558	19,650
Kitchener	Rubber factory workers	Nov. 12	In sympathy with strike of motor vehicle factory workers in Windsor; September 12; terminated November 12; return of workers; in favour of employers.	2,470	1,750
Hamilton	Meat packing plant workers	Nov. 30	Against promotion of certain worker to job of subforeman; terminated November 30; conciliation, federal, and return of workers pending reference to arbitration; indefinite.	43	22



## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Hamilton	Wire and screw factory workers	Nov. 1	For a new agreement providing for union shop, check-off, increased wages, etc.; terminated November 1; return of workers pending further negotiations; indefinite.	550	475
Hamilton	Wire factory workers	Nov. 3	For a five-day week of 48 hours instead of six-day week; terminated November 3; return of workers; in favour of employer.	80	40
Windsor	Automotive parts factory workers	Nov. 5	In sympathy with strike of motor vehicle factory workers, September 12; terminated December 3; return of workers; in favour of employers.	7,050	155,000
Hamilton	Wire and screw factory workers	Nov. 6	For a new agreement providing for union shop, check-off, increased wages, etc.; terminated November 6; return of workers pending further negotiations; indefinite.	550	70
Hamilton	Electrical apparatus factory workers	Nov. 7	In sympathy with strike of motor vehicle factory workers at Windsor, September 12; terminated November 7; return of workers; in favour of employers.	3,500	3,500
Brantford	Foundry workers	Nov. 8	In sympathy with strike of motor vehicle factory workers at Windsor, September 12; terminated November 8; return of workers; in favour of employer.	200	200
Sarnia	Metal factory workers	Nov. 12	In sympathy with strike of motor vehicle factory workers at Windsor, September 12; terminated November 12; return of workers; in favour of employers.	684	500
Brantford	Metal factory workers	Nov. 14	In sympathy with strike of motor vehicle factory workers at Windsor, September 12; terminated November 14; return of workers; in favour of employers.	4,172	4,172
Sault Ste. Marie	Steel mill (coke oven) workers	Nov. 20	Protesting reduction of working force and in bonus earnings due to curtailed operations; terminated November 20; negotiations; compromise.	200	88

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Toronto	Optical lens factory workers	Nov. 6	For a union agreement; terminated December 11; negotiations and reference to arbitration; indefinite.	100	2,750
Penetang	Tannery workers	Dec. 7	Because two returned soldiers were allegedly not directed to proper jobs; terminated December 10; return of workers; in favour of employer.	68	153
Kitchener	Tannery workers	Dec. 10	Against half-day layoff for five workers and for settlement of various grievances; terminated December 15; conciliation, provincial; compromise.	63	378
Seaforth	Flour mill workers	Jan. 22	For increased wages following reduction in hours from ten to eight per day; terminated February 12; return of workers and replacement; in favour of employer.	35	450
Chatham	Concrete pipe factory workers	Jan. 12	For increased wages and protesting appointment of a foreman who could not speak English, etc.; terminated January 12; negotiations; compromise; foreman replaced.	18	18
Cornwall	Carpenters	Jan. 19	For heat in building during extreme cold; terminated January 24; return of workers; in favour of employer.	40	200
Weston	Milk drivers and processors	Jan. 15	Alleged delay in negotiating a new agreement; terminated January 16; negotiations, provincial; and return of workers pending further negotiations; indefinite.	14	28
Hamilton	Electrical apparatus factory workers	Feb. 13	For a new agreement providing for increased wages, reduced hours, check-off, etc.; terminated February 13; return of workers; in favour of employer.	192	24

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Oshawa	Automotive parts factory workers	Feb. 13	Alleged discrimination in dismissal of two workers; terminated February 13; negotiations; in favour of workers.	85	45
Toronto	Silverware factory workers	Feb. 14	Against discharge of worker for infraction of company rules; terminated February 14; conciliation, provincial, in favour of workers.	48	48
Niagara Falls	Metal factory workers	Feb. 25	For a union agreement providing for a union shop, check-off, etc.; unterninated at close of fiscal year.	33	950
Georgetown and Leaside	Electrical apparatus factory workers	Feb. 26	For a union agreement providing for a union shop, increased wages, reduced hours, etc.; terminated February 28; return of workers; in favour of employers.	800	200
Smith's Falls	Foundry workers	Feb. 28	Against dismissal of a worker; terminated March 2; negotiations; in favour of employer.	108	297
London	Farm implement factory workers	Feb. 27	For a new agreement providing for increased wages, reduced hours, vacations with pay, etc.; terminated March 30; replacement; in favour of employer.	35	820
Toronto	Electrical apparatus factory workers	Feb. 28	For retroactive payment of incentive bonus under negotiations; terminated March 26; conciliation, provincial; in favour of employer.	104	1,478
Timmins	Taxi drivers	Feb. 11	For increased wages and reduced hours; terminated February 14; conciliation; provincial; compromise.	61	200
Toronto	Knitting factory workers	March 26	Refusal to work under temporary foreman; terminated March 26; return of workers; in favour of employer.	70	60
St. Catharines	Dye factory workers, trainees	March 26	For increased wages; terminated March 30; replacement; in favour of employer.	7	35

## APPENDIX—(Continued)

## STRIKES AND LOCKOUTS IN ONTARIO

DURING THE FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

Locality	Occupation	Commenced	Particulars	Number of employees involved	Time loss in man-working days
Windsor	Electricians	March 22	Against inclusion of clause in agreement that wage increases would be subject to approval of Regional War Labour Board; unterminated at close of fiscal year.	120	960
Windsor	Truck drivers and helpers	March 21	Against penalty deductions from wages of two workers for property damage; terminated March 21; return of workers pending reference to arbitration; indefinite.	12	12
TOTALS—69 strikes				42,705	1,180,417

## APPENDIX—(Continued)

## STRIKES IN ONTARIO DURING FISCAL YEAR ENDING MARCH 31, 1946

(From figures published in Labour Gazette)

INDUSTRIES:	Number of disputes in progress	Number of workers involved	Time loss in man-working days
MANUFACTURING:			
Foods—animal.....	4	1,884	16,182
Foods—vegetable.....	2	593	20,100
Fur and leather products.....	2	131	531
Metal products.....	36	31,511	1,100,268
Miscellaneous.....	1	100	2,750
Non-metallic minerals, chemicals.....	1	18	18
Printing and publishing.....	1	58	110
Rubber products.....	6	7,251	33,435
Textiles, clothing.....	4	171	420
CONSTRUCTION:			
Buildings and structures.....	4	362	3,070
TRANSPORTATION AND PUBLIC UTILITIES:			
Local and highway transportation.....	2	73	212
Water transportation.....	1	136	375
Electric railways, local bus lines.....	2	128	168
Electricity and gas.....	1	100	250
TRADE.....	2	189	2,528
Totals—1946.....	69	42,705	1,180,417
“ 1945.....	67	32,999	263,621
“ 1944.....	90	31,497	134,840
“ 1943.....	98	32,582	171,178
“ 1942.....	109	28,690	298,393
“ 1941.....	55	9,188	36,318
“ 1940.....	36	6,075	50,468
“ 1939.....	54	5,795	86,997
“ 1938.....	127	22,749	294,906
“ 1937.....	78	13,251	148,929
“ 1936.....	50	9,120	78,511
N.B.—1935 omitted because the “fiscal period 1935” was five months only—when fiscal year was changed.			
“ 1934.....	94	18,198	256,311
“ 1933.....	39	7,380	109,240
“ 1932.....	26	2,432	50,401
“ 1931.....	18	2,827	66,268
“ 1930.....	21	4,315	50,513
“ 1929.....	43	5,175	75,870
“ 1928.....	52	5,622	59,889
“ 1927.....	25	4,403	56,695
“ 1926.....	17	1,839	46,402
“ 1925.....	21	2,499	27,447
“ 1924.....	19	3,943	95,196
“ 1923.....	16	1,946	198,319
“ 1922.....	23	2,712	367,893
“ 1921.....	53	10,800	521,210









REPORT  
OF THE  
**Minister of Education**  
Province of Ontario  
FOR THE YEAR  
**1946**

---

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 11, 1947



TORONTO  
Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1948





# TABLE OF CONTENTS

	PAGE
REPORT OF THE MINISTER.....	1
<b>PART I—REPORTS</b>	
1. ELEMENTARY EDUCATION—C. F. Cannon, B.A., B.Paed., Superintendent.....	4
2. SECONDARY EDUCATION—A. G. Hooper, M.A., Superintendent.....	19
3. PROFESSIONAL TRAINING—H. E. Amoss, B.A., D.Paed., Superintendent.....	25
4. SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS—R. Gauthier, B.A., D.Paed., Director.....	31
5. AGRICULTURAL CLASSES—N. Davies, B.A., Inspector.....	38
6. AUXILIARY CLASSES—C. E. Stothers, B.A., D.Paed., Inspector.....	43
7. SCHOOL ATTENDANCE—R. D. Keefe, B.A., Director.....	50
8. DEPARTMENTAL EXAMINATIONS—C. A. Brown, M.A., Registrar.....	54
9. ART—C. D. Gaitskell, M.A., D.Paed., Director.....	59
10. AUDIO-VISUAL EDUCATION—J. W. Grimmon, B.A., B.Paed., Director.....	63
11. GUIDANCE—H. R. Beattie, B.A., Director.....	64
12. MUSIC—G. R. Fenwick, Mus. Bac., Director.....	66
13. PUBLIC RECORDS AND ARCHIVES—H. McClung, M.A., Provincial Archivist.....	71
14. PUBLIC LIBRARIES—A. Mowat, M.A., Inspector.....	74
15. TRADE SCHOOLS—W. S. Kirkland, M.A., LL.D., Registrar.....	77
16. SCHOOL FOR THE BLIND—H. J. Vallentyne, B.A., Superintendent.....	81
17. SCHOOL FOR THE DEAF—W. J. Morrison, B.A., B.Paed., Superintendent.....	88
<b>PART II—STATISTICS</b>	
<b>General</b>	
Summary.....	96
Terminology.....	97
School Year and Holidays.....	99
I. Age-Grade Distribution of Pupils.....	100
II. Destination of Pupils Leaving School.....	102
III. Retirements from the Provincial School System.....	103
IV. Teachers' Salaries—Frequency Distribution.....	104
<b>Comparative</b>	
V. Provincial Population and School Enrolment.....	105
VI. Comparative Education Costs in Recent Years.....	105
VII. School Administrative Units.....	106
VIII. Schools, Pupils, Teachers.....	107
IX. Teachers' Salaries—Highest and Average.....	109
X. Teachers' Salaries—Average, yearly since 1900.....	110
XI. Finances.....	111
XII. Expenditure on Education 1875 to 1946.....	113
XIII. Provincial Grants to School Boards.....	117
XIV. Professional Teaching Certificates Issued since 1908.....	118
XV. High School Entrance Examination Results.....	118
XVI. Professional Courses—Normal School Enrolment.....	119
XVII. Departmental Summer Courses.....	119
<b>Detailed</b>	
I. ELEMENTARY SCHOOLS:	
A. Public and Separate Schools—	
Table 1—Enrolment and Attendance.....	121
Table 2—Summary of Teachers and Certificates.....	126
Table 3—High School Entrance Examination Results.....	127
Table 4—Auxiliary Classes.....	131
Table 5—Age-Grade Distribution in Elementary Schools attended by French-Speaking Pupils.....	136
Table 6—Health Services.....	146
B. Public Schools—	
Table 7—Age-Grade Distribution.....	152
Table 8—Retirements by Age, Sex and Grade.....	155
Table 9—Teachers' Salaries—Frequency Distribution.....	156
Table 10—Township School Areas by Inspectorates.....	157
Table 11—Consolidated Schools.....	159
Table 12—Protestant Separate Schools.....	161
Table 13—Financial Statistics.....	162

C. Roman Catholic Separate Schools—	
Table 14—Age-Grade Distribution.....	163
Table 15—Retirements by Age, Sex and Grade.....	167
Table 16—Financial Statistics.....	168
II. SECONDARY SCHOOLS:	
A. General—	
Table 17—Summary of Schools, Teachers, Salaries, and Certificates.....	169
Table 18—Annual Departmental Examination Results.....	170
Table 19—Teachers' Salaries—Frequency Distribution.....	174
Table 20—Salary Trends in Secondary Schools.....	175
Table 21—Retirements by Age, Sex and Grade.....	176
Table 22—Transportation to Secondary Schools.....	177
B. Continuation Schools—	
Table 23—Enrolment, Attendance, Grading.....	180
Table 24—Age-Grade Distribution.....	186
Table 25—Financial Statistics.....	187
C. Collegiate Institutes and High Schools—	
Table 26—Enrolment, Attendance, Grading.....	191
Table 27—Age-Grade Distribution.....	198
Table 28—Financial Statistics.....	199
D. Vocational Schools—	
Table 29—Enrolment, Attendance, Grading, etc.....	204
Table 30—Age-Grade Distribution.....	206
Table 31—Financial Statistics.....	207
Table 32—Night Schools.....	208
III. SENIOR AUXILIARY SCHOOLS:	
Table 33—Schools, Teachers, Pupils.....	209
Table 34—Age-Grade Distribution.....	209
Table 35—Financial Statistics.....	209
IV. MISCELLANEOUS:	
Table 36—Capital Accounts of Secondary Schools.....	210
Table 37—Financial Statistics of High School Districts without Schools.....	211
Table 38—Night School Finances—Academic and Vocational Schools.....	212
Table 39—Public Library Statistics.....	213
Table 40—Professional Certificates Issued during 1945-46.....	229
Table 41—Inspectors and Inspectorates.....	231
Table 42—Location of Secondary Schools.....	239
Table 43—Departmental Publications.....	243
V. GRAPHS, MAPS, ILLUSTRATIONS:	
Dr. G. F. Rogers.....	3
Hanna Memorial School, Sarafa.....	11, 125, 161
Centennial School, Scarboro.....	15, 106
Kindergarten-Primary Class, Kapuskasing Separate School.....	34
Art.....	58, 60, 61
Music.....	67, 69
Organization Chart.....	98
Elementary School Enrolment, actual and estimated.....	120
Percentage of One-room schools with certain desirable accommodations, facilities and services.....	145
Township School Areas.....	158
Huron County Motor Library.....	172
Artificial Lighting in Secondary Schools.....	173
Transportation of Secondary School Pupils.....	176
High School Districts.....	198
Children's Library Club, Timmins.....	211

# REPORT

OF THE

# Minister of Education

FOR THE YEAR 1946

---

TO THE HONOURABLE RAY LAWSON, O.B.E., LL.D.,  
*Lieutenant-Governor of the Province of Ontario.*

Your Honour,

I beg leave to present to your Honour the Report of the Department of Education for the year 1946.

A Royal Commission on Education is investigating the whole educational system of the Province. Its recommendations will be of the utmost importance in the determination of the future policy of the Department of Education, and most major changes must await the receipt of the Commission's Report. It has, however, been considered advisable to proceed with certain developments for which the need is urgent.

One of these changes is in the extent of Legislative grants to school authorities. In 1945 these grants were increased from approximately 8.5 million dollars to over twenty-six million. Payment on the new scale was continued in 1946 and the amount paid was over twenty-nine million dollars, of which more than nineteen million went to elementary schools. In a period of rising costs the assistance thus afforded to all school boards has been substantial, although in many cases an increase in general municipal expenditures has prevented the ratepayers from receiving the full benefit of the increased school grants. Another feature of the increased grants is the system of allotment which has been designed to provide the greatest aid to those areas which experience the greatest difficulty in maintaining satisfactory educational services. Rural areas with low assessments are given grants amounting to as much as ninety per cent. of the approved cost of operating elementary schools, while urban areas receive amounts varying from thirty to sixty per cent.

In proportion to population Ontario has a much greater number of local educational authorities than are to be found in most comparable systems elsewhere. Under earlier conditions the establishment and support of schools was undoubtedly facilitated by having each school operated by its own board of trustees, but under modern conditions greater efficiency is attained by combining these smaller units for purposes of administration. The resources of the small school area seldom permit the provision of an adequate educational programme. A steady reorganization of school administrative units has been in progress in the field of elementary education for some time. The amalgamation of small school sections into township areas has now reached a point at which practically one-half of the original number of school sections have been organized into larger units. There are now 455 of these areas, made up of 2,840 former school sections, and the improvement in the work of the schools has been marked. Similarly in the field of secondary education a movement towards enlarged high school

districts, although it is of more recent origin, is making noteworthy progress. Thirty-one enlarged high school districts have been formed in 1946. The augmented assessments for these areas, and the increased enrolment of pupils, will permit an expansion and improvement in the school programmes which will more than justify the change.

As a further measure for extending the principle of equality of educational opportunity to pupils in rural areas, provision is made for the transportation of pupils to secondary schools, either by the high school board or by elementary school boards, and grants are payable on the expenses involved. The organization of transportation in this way for more than 10,000 pupils has placed a good secondary education within reach of many who would otherwise have been unable to secure it.

School building programmes throughout the province have been hampered by scarcity of materials and by rapidly rising costs. The Committee on Planning, Construction and Equipment of Schools has given an important lead, and a demonstration school undertaken by the Department of Education embodies a number of the recommendations of the Committee. This should prove helpful to boards seeking ideas for improved school buildings. Despite construction difficulties several modern and well-equipped school buildings have been built and opened during the year.

The total enrolment in all the schools of the provincial system for the year 1945-46 was 707,724. The increase over last year's figure is about 20,000. Recruitment of new teachers through the Normal Schools and the Ontario College of Education has not in recent years kept pace with the normal losses to the profession, and a serious problem is posed for the future. The importance of closing small schools and of consolidating others, as in the case of township areas and high school districts, is emphasized by this condition.

It has been possible to resume the operation of summer courses, which were discontinued during the war. These summer schools play an important part in the improvement of teachers in service and help to supply the demand for teachers with special qualifications required in an expanding curriculum. A large number of teachers have taken advantage of the restored programme of courses.

Provision is being made for higher technical education by the establishment of provincial technical institutes. Besides the Ontario Mining Institute at Haileybury, plans have been made for an Institute of Textiles at Hamilton and for a Technical Institute in the Port Arthur and Fort William area to serve the north-western part of the Province. The work of the largest Training and Re-establishment Institute, located on the old Toronto Normal School site, reached in 1946 its peak in the training of former members of the armed services for their re-establishment in civil life. Consideration is being given to the possible future use of this school as a Provincial Technical Institute and as a centre for apprenticeship training.

Provision has been made for a revised system of grants to public libraries. The new grants are designed to promote increased municipal support for the libraries, and at the same time to encourage the employment of trained and certificated librarians.

Respectfully submitted,

GEORGE A. DREW,  
*Minister of Education.*

Toronto, November 21, 1947.





George F. Rogers, B.A., LL.D.

Dr. George F. Rogers, who served the Department of Education well as High School Inspector, Chief Inspector of Secondary Schools and Deputy Minister, passed away in Toronto on June 5, 1946.

Dr. Rogers was born in Franklin, Quebec, the son of the Rev. George Rogers, a Methodist minister. He matriculated from Hamilton Collegiate Institute and completed a notable academic career at Victoria University, Toronto, graduating in 1892 with double first class honours in English and Science, and winning the Prince of Wales Gold Medal for General Proficiency and the Silver Medal in Natural Science. He served as Science Master in the Orillia High School and was outstandingly successful as Principal of Seaforth Collegiate Institute and later of London Collegiate Institute.

In 1918 Dr. Rogers was appointed a High School Inspector and later became Chief Inspector. In this capacity he was responsible for a complete revision of secondary school courses, for the extension of vocational education to smaller schools and for improvements in the training and supervision of teachers. As Deputy Minister he discharged the onerous duties of that office faithfully and efficiently, carrying a heavy burden of responsibility and administrative detail until ill-health necessitated his retirement in June, 1945.

Dr. Rogers' outstanding services in the cause of education were recognized by the award of honorary degrees from three universities, Western Ontario, Toronto and McMaster. That his worth was recognized from coast to coast is attested by his election to the presidency of the Canadian Educational Association in 1936. His former pupils remember him as an inspired teacher and a firm, wise and kindly counsellor. The teachers of the Province and his colleagues in the Department of Education retain a grateful memory of his inspiration and encouragement. The Province of Ontario has good cause to be grateful for the long and devoted labours of Dr. Rogers in its educational system.



## ELEMENTARY EDUCATION

---

### Legislative Grants

The scheme for the apportionment of legislative grants to elementary schools in 1946 was similar to that in operation during 1945. The grants paid to urban elementary school boards were calculated on the basis of the population of the municipality concerned, and ranged from 30% to 60% of the approved cost of operation for the year 1945. The grants paid to rural boards were calculated on the basis of assessment per classroom, and ranged from 50% to 90% of the approved cost of operation for the preceding calendar year. The grants were paid in two instalments.

The summary below shows the total amount of legislative grants paid to elementary school boards during the past three calendar years:

1944.....	\$6,591,550
1945.....	\$17,864,226
1946.....	\$19,417,224

The greatly increased grants have assisted school boards in financing their schools in a period of rapidly increasing costs. Without these substantial grants local tax levies for education would have been greatly increased.

### Larger Units of Administration

For some years a township council has had authority, under The Public Schools Act, to pass a by-law placing two or more school sections of the township under one board of five trustees. The unit so formed is known as a Township School Area. In 1946 The Public Schools Act was amended to clarify the authority of a municipal council to add a school section or a union school section to a school area already established, and to give authority to the council of each of two or more contiguous townships to set apart the whole or any portion of the township to form a township school area with the whole area or any part of the contiguous township or townships. Similar provision was made for the establishment of a township school area to comprise the whole or any part of a township or contiguous townships and the whole of an adjacent village or town. Before 1946, 397 areas had been formed, comprising 2,339 school sections. In 1946, 58 areas were formed and additions were made to 40 of the existing areas. The formation of these 455 Township School Areas has involved the dissolution of 2,840, or approximately one-half of the former school sections. The increase in the formation of larger administrative units is due to the growing recognition of the many advantages of this type of administration.

A further development affecting certain schools in recent years has been the formation of Improvement Districts, organized under recent amendments to The Municipal Act. Most of these are in newly opened areas where municipal organization is required, but where the residents are, as yet, unable to provide it for themselves. The Department of Municipal Affairs appoints a three-trustee board to govern and administer the area, including the public school. These boards have been instrumental in providing school accommodations in some mining and lumbering communities where, without such provision, facilities for education would be lacking.

A list of the Township School Areas formed in 1946 follows:

Township	No. School Sections	County or District	Inspector
Airy and Sabling (Un.)	2	Hastings	H. H. Loucks
Arthur	12	Wellington	L. P. Menzies
Barrie Island	2	Manitoulin	S. Geiger
Beaucage, Pedley and Commanda (Un.)	2	Parry Sound	J. W. Trusler
Beckwith	12	Lanark	J. W. Barber
Bedford No. 2	4	Frontenac	R. C. Earl
Burford	21	Brant	J. C. Webster
Camden East No. 4	3	Addington	H. H. Langford
Chinguacousy East	8	Peel	E. R. Underhill
Chinguacousy West	8	Peel	E. R. Underhill
Cumberland No. 2	5	Russell	J. C. Wilker
Dawson (Un.)	2	Manitoulin	S. Geiger
Dereham (Amalgamating Area "A" and Area "B")		Oxford	L. B. Hyde
Douro	6	Peterborough	F. B. Smithcrum
Drummond	10	Lanark	J. W. Barber
Egremont	15	Grey	W. G. Rae
Ekfrid	11	Middlesex	G. Young
Erin No. 1	8	Wellington	W. R. McVittie
Erin No. 2	7	Wellington	W. R. McVittie
Georgina	7	York	O. M. MacKillop
Grey	13	Huron	J. H. Kinkead
Gwillimbury West	14	Simcoe	J. E. Horton
Haultain, Milner and Nicol (Un.)	2	Temiskaming	J. L. Runnalls
Hawkesbury West	7	Prescott	J. C. Wilker
Hay	12	Huron	R. O. Staples
Jaffray and Melick	6	Kenora	R. S. McBurney
Kingston No. 1	2	Frontenac	N. Campbell
Larder Lake	3	Temiskaming	J. H. Kennedy
Leeds and Lansdowne Rear	14	Leeds	W. F. Hiscocks
Lybster (Un.)	2	Thunder Bay	G. A. Noble
McDougall	4	Parry Sound	R. C. Cassie
McGillivray	16	Middlesex	G. Young
Melancthon No. 1	4	Dufferin	W. L. Lovell
Monaghan North No. 2	2	Peterborough	E. C. Anderson
Moore	5	Lambton	H. B. Galpin
Mosa	11	Middlesex	G. Young
Nottawasaga No. 1	9	Simcoe	A. E. Gillies
Oneida	7	Haldimand	W. E. Eade
Peel	17	Wellington	L. P. Menzies
Pickering No. 1	3	Ontario	A. Archibald
Portland South	2	Frontenac	N. Campbell
Proton	10	Grey	W. G. Rae
Robinson (Un.)	2	Manitoulin	S. Geiger
Salter, May and Harrow	4	Sudbury	W. MacMillan
Saltfleet No. 2	5	Wentworth	J. K. Evans
Scarborough No. 3	2	York	H. A. Halbert
Seneca	12	Haldimand	W. E. Eade
Tecumseth	17	Simcoe	J. E. Horton
Thurlo w No. 1	5	Hastings	R. H. Macklem
Tyendinaga	6	Hastings	R. H. Macklem
Usborne	8	Huron	R. O. Staples
Verulam No. 1	3	Peterborough	E. C. Anderson
Walpole North	8	Haldimand	W. E. Eade
Walpole South	9	Haldimand	W. E. Eade
Windham	6	Norfolk	W. L. Bowden
Wolfe Island	7	Frontenac	N. Campbell
Yarmouth No. 1	5	Elgin	J. C. Smith
Yarmouth No. 2	2	Elgin	J. C. Smith
Zorra East	13	Oxford	G. M. Mather
Additions to existing Areas:			
Barrie	1	Frontenac	R. C. Earl
Bonfield	1	Nipissing	J. W. Trusler
Carden	1	Victoria	C. W. Lees
Chatham	1	Kent	F. L. Barrett

Township	No. School Sections	County or District	Inspector
Clarke West.....	1	Durham	W. H. Carlton
Cumberland No. 1.....	1	Russell	J. C. Wilker
Elmsley North.....	1	Lanark	J. W. Barber
Essa.....	10	Simcoe	J. E. Horton
Flos.....	8	Simcoe	P. M. Scott
Glanford.....	1	Wentworth	J. K. Evans
Goderich.....	1	Huron	R. O. Staples
Grantham.....	1	Lincoln	W. A. Marshall
Griffith and Matawatchan.....	1	Renfrew	H. Bolingbroke
Haldinand South.....	1	Northumberland	A. A. Martin
Hamilton No. 1.....	4	Northumberland	W. H. Carlton
Hamilton No. 2.....	2	Northumberland	W. H. Carlton
Hinchinbrooke.....	1	Frontenac	N. Campbell
Innisfil No. 2.....	3	Simcoe	P. M. Scott
Medonte No. 2.....	1	Simcoe	J. A. Gibson
Minto.....	1	Wellington	L. P. Menzies
Nassagaweya No. 1.....	1	Halton	L. L. Skuce
Nissouri East "A".....	1	Oxford	G. M. Mather
Nissouri East "A".....	1	Oxford	G. M. Mather
Olden.....	1	Frontenac	R. C. Earl
Orillia No. 2.....	2	Simcoe	J. A. Gibson
Oro "A".....	3	Simcoe	P. M. Scott
Plympton No. 1.....	1	Lambton	H. B. Galpin
Plympton No. 2.....	1	Lambton	H. B. Galpin
Plympton No. 3.....	1	Lambton	H. B. Galpin
Portland North.....	1	Frontenac	N. Campbell
Richmond Centre.....	3	Lennox	H. H. Langford
St. Vincent.....	1	Grey	L. L. Sinclair
Sebastopol.....	1	Renfrew	H. Bolingbroke
Stanley.....	1	Huron	R. O. Staples
Stephen.....	3	Huron	R. O. Staples
Stephenson.....	1	Muskoka	G. S. Johnson
Vespra.....	5	Simcoe	P. M. Scott
Tuckersmith.....	3	Huron	R. O. Staples
Williams West.....	3	Middlesex	G. Young
Adelaide.....	1	Middlesex	G. Young

### Summary

	No. of School Sections
No. formed before 1938.....	15
No. formed in 1938.....	15
No. formed in 1939.....	43
Additions to existing Areas: 4.....	212
No. formed in 1940.....	26
Additions to existing Areas: 7.....	147
No. formed in 1941.....	31
Additions to existing Areas: 2.....	152
No. formed in 1942.....	35
Additions to existing Areas: 4.....	197
No. formed in 1943.....	22
Additions to existing Areas: 9.....	146
No. formed in 1944.....	61
Additions to existing Areas: 13.....	413
No. formed in 1945.....	149
Additions to existing Areas: 18.....	919
No. formed in 1946.....	58
Additions to existing Areas: 40.....	501
Totals.....	455
	2,840

### The Temporary Closing of Small Schools

During 1946, 61 schools were closed temporarily because of low enrolment. In almost all cases the closing was the result of voluntary action by the local

school boards. Provision was made for the attendance of the pupils concerned at nearby schools where they would have more opportunity to associate with pupils of their own age group. The list of schools closed in 1946 follows:

Inspectorate	Inspector	School
Bruce.....	J. M. Game.....	S.S. No. 1 Elderslie
Dufferin.....	W. L. Lovell.....	S.S. No. 12 Luther East
Dufferin.....	W. L. Lovell.....	S.S. No. 11 Mono
Elgin.....	J. C. Smith.....	S.S. No. 14 Dunwich (North)
Essex.....	R. A. Pierce.....	S.S. No. 2 Pelee
Essex.....	R. A. Pierce.....	S.S. No. 3 Pelee
Essex.....	R. A. Pierce.....	S.S. No. 4 Pelee
Essex.....	R. A. Pierce.....	S.S. No. 9 Sandwich West
Frontenac North.....	R. C. Earl.....	S.S. No. 6 Clarendon
Frontenac North.....	R. C. Earl.....	S.S. No. 8 Kennebec
Frontenac South No. 1.....	N. Campbell.....	S.S. No. 13 Wolfe Island
Grenville.....	H. W. Knight.....	S.S. No. 2 Hawkesbury East
Grey North.....	J. J. Wilson.....	S.S. No. 13 Amabel
Haldimand.....	W. E. Eade.....	S.S. No. 6 Rainham
Haldimand.....	W. E. Eade.....	S.S. No. 13 Seneca
Hastings North.....	H. H. Loucks.....	U.S.S. No. 7 Marmora
Hastings South.....	R. H. Macklem.....	U.S.S. No. 18 Thurlow
Huron North.....	J. H. Kinkad.....	U.S.S. No. 14 Wawanosh West
Huron South.....	R. O. Staples.....	S.S. No. 8 Goderich
Huron South.....	R. O. Staples.....	U.S.S. No. 2 Hullett and Goderich
Lambton No. 1.....	H. B. Galpin.....	S.S. No. 17 Sombra
Lambton No. 2.....	T. J. Thompson.....	S.S. No. 11 Brooke
Lanark.....	J. W. Barber.....	S.S. No. 7 Beckwith
Leeds No. 2.....	E. Oakes.....	S.S. No. 22 Elizabethtown
Leeds No. 2.....	E. Oakes.....	S.S. No. 7 Kitley
Lennox.....	H. H. Langford.....	S.S. No. 7 Camden East
Lennox.....	H. H. Langford.....	S.S. No. 32 Camden East
Lincoln.....	W. A. Marshall.....	S.S. No. 7 Clinton
Middlesex West.....	G. Young.....	S.S. No. 9 Adelaide
Middlesex West.....	G. Young.....	S.S. No. 14 Caradoc
Northumberland.....	A. A. Martin.....	S.S. No. 21 Cramahe
Northumberland.....	A. A. Martin.....	U.S.S. No. 21 Haldimand (Reopened)
Northumberland and Durham.....	W. H. Carlton.....	S.S. No. 18 Hope
Ontario North.....	J. R. Pickering.....	S.S. No. 1 Mara
Prescott and Russell.....	J. C. Wilker.....	S.S. No. 4 Clarence
Prince Edward.....	A. F. Brown.....	S.S. No. 7 Marysburgh North
Renfrew North.....	C. A. Mustard.....	S.S. No. 9 Alice South
Renfrew South.....	H. Bolingbroke.....	U.S.S. No. 10 McNab
Simcoe East.....	J. A. Gibson.....	S.S. No. 12 Orillia
Simcoe South.....	J. E. Horton.....	U.S.S. No. 1 Gwillimbury West
Simcoe West.....	A. E. Gillies.....	S.S. No. 15 Collingwood
Stormont.....	R. J. McNaughton.....	S.S. No. 15 Finch
Victoria West.....	C. W. Lees.....	S.S. No. 15 Mariposa
Waterloo No. 1.....	G. H. Dobrindt.....	S.S. No. 21 Wellesley
Welland East.....	T. C. White.....	S.S. No. 2 Stamford
Wellington North.....	L. P. Menzies.....	S.S. No. 14 Luther West
York No. 7.....	F. W. Minkler.....	S.S. No. 6 York North
York No. 7.....	F. W. Minkler.....	S.S. No. 23 York North
District Division 2.....	D. A. Lapp.....	S.S. No. 3 Atwood
District Division 2.....	D. A. Lapp.....	S.S. No. 1 Flanders
District Division 2.....	D. A. Lapp.....	S.S. No. 1 Morson
District Division 2.....	D. A. Lapp.....	S.S. No. 2 Nelles
District Division 6.....	A. C. Ritter.....	S.S. No. 2 Dill
District Division 7(3).....	P. E. Piché.....	S.S. No. 1 Henry
District Division 8.....	S. Geiger.....	S.S. No. 3 Carnarvon
District Division 8.....	S. Geiger.....	U.S.S. No. 1 Patton and Gladstone
District Division 12.....	J. L. Runnalls.....	Thornloe Public School
District Division 14.....	G. E. Tait.....	S.S. No. 1 Joly
District Division 14.....	G. E. Tait.....	S.S. No. 2 Strong
R.C.S.S. Division 3.....	P. E. Piché.....	R.C.S.S. No. 2 Delamere
R.C.S.S. Division 11.....	J. F. Kinlin.....	R.C.S.S. No. 11 Middleton



Summary		
Closed before 1937.....	78	
Reopened.....	15	63
Closed in 1937.....	30	
Reopened.....	4	26
Closed in 1938.....	41	
Reopened.....	9	32
Closed in 1939.....	46	
Reopened.....	10	36
Closed in 1940.....	35	
Reopened.....	6	29
Closed in 1941.....	79	
Reopened.....	18	61
Closed in 1942.....	96	
Reopened.....	25	71
Closed in 1943.....	68	
Reopened.....	20	48
Closed in 1944.....	41	
Reopened.....	8	33
Closed in 1945.....	100	
Reopened.....	4	96
Closed in 1946.....	61	
Reopened.....	1	60
Number closed.....		555

### Transportation of Pupils to Secondary Schools

During the year many enlarged High School Districts were established. In several of these districts the high school boards provided transportation for pupils to secondary schools. Such transportation was provided for approximately 4,000 pupils.

Any two or more school sections may participate in a plan for transportation of high school pupils to secondary schools. During the year 1946, 346 contracts made by elementary school boards received Departmental approval. By these contracts transportation was provided for 6,338 pupils to secondary schools.

When transportation contracts are approved, the expenses are eligible for inclusion in the operation cost of the school budget, and thereby eligible for liberal legislative grants. Thus, approximately 10,338 pupils were assisted in obtaining secondary education by boards making contracts for their transportation to school.

### The Supply of Teachers

A total of 1,661 teachers who were engaged in the elementary schools during the school year September, 1945, to June, 1946, did not seek re-engagement by boards for the school year commencing September, 1946. Approximately 430 of these teachers were married women who gave efficient service in the schools during the years of the War and who returned to carry on the occupation of homemaking. Some 550 women teachers were married during the year and discontinued teaching.

The shortage of teachers necessitated the granting of letters of permission for boards to engage 459 persons who did not possess complete professional qualifica-



tions for elementary schools in the province, but who had attended, at some time, teacher-training schools. The summary below for the school year September, 1946, to June, 1947, indicates the number of these teachers who were employed by boards of trustees:

Holders of expired Ontario Third Class certificates.....	190
Persons who failed at Ontario Normal Schools.....	84
Qualified teachers from other provinces.....	184
Holders of High School Assistants' certificates.....	1
	<hr/>
	459

During the school year September, 1946, to June, 1947, it was necessary to issue 752 letters of permission for boards to engage persons without teacher-training experience. The summary below indicates the academic standing of these persons:

University graduates.....	16
Some University work.....	31
Persons of Upper School standing.....	302
Persons of part Upper School standing.....	93
Persons of Middle School standing.....	241
Persons of part Middle School standing.....	31
Persons of Lower School standing.....	38
	<hr/>
	752

#### Correspondence Courses

During the school year 1945-46 the Correspondence Courses had an enrolment of 2,528, of which 2,147 were in the English course and 381 in the bilingual. In Grades I to VII, 590 promotions were made. Of the 32 candidates for High School Entrance standing 25 were passed on recommendation and 5 wrote the High School Entrance examinations and were successful. In Grades IX and X the results were as follows:

4 completed 7 subjects
3       "       6       "
8       "       5       "
12       "       4       "
14       "       3       "
34       "       2       "
27       "       1 subject

These results were approximately the same as those secured during each of the previous three or four years.

The Correspondence Courses cover the public and high school work from Grade I to Grade X and are extended to all pupils who cannot attend school because of distance, illness or physical disability. Inmates of Sanatoria, Preventoria and Institutions of Correction may be enrolled. In addition, lessons are sent, if required, to former Ontario pupils who are temporarily living outside the province. Several children of missionaries who are resident in South America, Africa and the Far East are enrolled. In all such cases the parents have been former residents of Ontario. The staff consists of 24 teachers and 5 clerks.

In addition to the regular courses carried on in Grades I to X, the Canadian Legion Courses in English, Social Studies and Elementary Arithmetic are super-

vised. During the year 3,850 lessons were received, an increase of 320 over the previous year.

#### Railway School Cars

This is the twentieth year that the School Cars have been in operation. The plan started in 1926, with one car on the C.P.R. from Chapleau and one on the C.N.R. from Capreol. Since then five have been added; four are now serving the lines of the C.N.R., two those of the C.P.R., and the other the Ontario Northland. About 250 boys and girls are receiving an education in this way.

The activities of the teachers are many and varied, as the cars are community centres and serve the people in various ways. Under varying circumstances the School Car teacher becomes a banker, a legal adviser for the adults, a letter-writer, an interpreter, an informal court of appeal and a helper in numerous situations.

#### School Health Supervision

The first Ontario legislation permitting public and separate school boards to make expenditures for medical inspection and health services was passed in 1908. In 1919 the Department of Education set up a School Health branch, and thereafter admitted graduate nurses to annual summer courses leading to the diploma of Approved School Nurse. In 1925 the Department of Health took over the central administration of school health from the Department of Education. Statutory amendments provided that any new health services inaugurated must be administered by local Boards of Health, not school boards. Under this legislation there were, in 1946, 71 municipal Boards of Health employing qualified school nurses for school health work. Acceptable services which had been established under school boards prior to July 31, 1924, were allowed to be continued. In 1946 there were 24 such services still in operation under school boards. In 1940 statutory authority was granted to county councils to employ, at the expense of the county, Public Health Nurses for school health work. In 1946 there were 8 counties which had taken advantage of this legislation, employing a total of 27 Public Health Nurses. The counties are: Haldimand, Halton, Huron, Lennox & Addington, Middlesex, Perth, Simcoe, Wentworth. The necessary direction for this school nursing programme is supplied by the local Medical Officers of Health of the municipalities of the county. Then, in 1943, an amendment to The Ontario Health Act provided for "Health Units," under which full school health services are supplied as part of an overall community health programme. In 1946 the following 15 "Health Units" were in operation:

United Counties of Stormont, Dundas & Glengarry  
Porcupine  
Kirkland-Larder Lake  
Welland and district  
Northumberland and Durham  
Elgin-St. Thomas  
St. Catharines-Lincoln  
Ingersoll-Oxford  
Brant  
Dufferin  
Prescott and Russell  
Prince Edward  
Bruce  
Peel  
Lambton



*Courtesy S. B. Coon and Son, Architects, Toronto*

**Hanna Memorial School, Sarnia, Ontario**

The six last named are new Units, established in 1946. These 15 Health Units serve 108 municipalities. In 1946 the total number of nurses employed in school health work in Ontario was 548, most being holders of certificates as Public Health Nurses obtained through a course in a university, but some being holders of the older Approved School Nurse diploma. School Health Services now serve 72.3% of the school population.

#### **Citizenship Instruction**

During the year 1946 two Ontario centres were chosen for experimentation in citizenship instruction through an adaptation of the methods followed successfully in Springfield, Massachusetts. The centres chosen were Welland and Kirkland Lake. Representatives of the school boards of these centres visited Springfield to become acquainted with the plan, and during the year Springfield school officials visited Welland and Kirkland Lake in an advisory capacity. As a result, a special programme of citizenship has been developed for each of these two centres, under the general direction of the public and separate school inspectors. The aim is to cultivate desirable social relationships between the different ethnic groups of the community. The courses of study of the Ontario Programme are being adapted to that end where opportunity offers.

#### **Construction of New Schools**

Approval was given during the year to a large number of school boards throughout the province for the construction of new schools. Many proposed constructions have been delayed because of the high cost of building, but a number of schools have been completed. The Interim Report of the Committee on Planning, Construction and Equipment of Schools in Ontario, which was referred to in the Report of the Minister for the year 1945, has had a marked effect on the design of schools which have been completed.

The Hanna Memorial School in the City of Sarnia is a one-storey building of twelve classrooms, situated on a site of approximately seven acres. The building contains an administration suite, rooms for men and women teachers, and a well-equipped nurse's room. Kindergarten-Primary and Grade I classes are housed in a separate wing. Entrance to these rooms is through a playground surrounded by a hedge which provides play space for the young children apart from the remainder of the school. The school is attractively decorated, brightly lighted, and the walls have been acoustically treated to promote quietness. The grounds have been tastefully landscaped. The building was completed at a cost of \$220,000.00.

The Centennial Road Public School at Highland Creek, Scarborough Township, is situated on a site of five acres. The building contains five classrooms, is one storey in height, and has bilateral lighting. One room is provided with a stage, and may be used as a small auditorium. Nusite boards of green glass replace the traditional slate blackboards. Each room has an emergency door leading to the outside. The school was built at a cost of \$70,000.

Emsdale School, in Perry Township School Area, was completed in 1946 at a cost of \$38,500. It contains two classrooms, smaller rooms for Manual Training and Home Economics, and a small auditorium-playroom. The classrooms have bilateral lighting, the light from the right coming from clerestory windows. Floors are of mastic tile.

A new school was completed at Nolahi, in Thunder Bay District, at a cost



of \$20,000. This school has one main classroom and a Crafts room which could be used, if necessary, as an additional classroom.

It was considered essential that a demonstration school be built by the Department of Education to exemplify the findings of the Committee on Planning, Construction and Equipment of Schools in Ontario, to assist it in appraising those findings, to demonstrate the feasibility of operating rural central schools, and to pave the way for the erection of school buildings with accommodations adapted to more efficient teaching and permitting flexibility in organization and classroom procedure. Consequently, the erection of such a school was undertaken on a suitable site on No. 11 Highway, some thirteen miles north of Bracebridge. As a tribute to the memory of the late Dr. V. K. Greer, former Superintendent of Elementary Education, who throughout his term of office had devoted so much of his time and effort to the establishment of larger units of administration, this school will be called the "V. K. Greer Memorial School." It will consist of four regular classrooms and three special rooms and will accommodate 160 pupils and will replace a number of one-room schools.

#### **The Provincial Inspectoral Staff, 1946**

##### **I. IN MEMORIAM:**

Dr. John Francis Sullivan was born August 30th, 1865, in Ennismore Township, Peterborough County. He attended the local public schools and Peterborough High School, as it was then called. In the Fall of 1883 he took a training course at the former Port Hope Model School, obtaining a Third Class certificate. His first teaching was in his native Ennismore, where, from 1884 to 1893, he taught for more than eight years, but with periods of absence to better his education. Returning to Peterborough High School for terms, he successively obtained Normal Entrance and Senior Leaving, and, going on to Ottawa Normal School, he secured a Second Class certificate in 1895, and in 1897 a First Class certificate and High School Assistant's certificate. From September, 1895, to July, 1897, Dr. Sullivan taught in St. Patrick's Separate School, Ottawa, and from 1897 to 1907 in the Ottawa Normal Model School. Through extra-mural study and part-time attendance he was graduated from Queen's University in 1904 with the degree of B.A. In 1907 Dr. Sullivan was appointed Inspector of Separate Schools with headquarters at London. In 1928 he was transferred to the Hamilton Separate School inspectorate, where he was located until his retirement in 1935. Dr. Sullivan's devoted and efficient service to the cause of education was recognized in 1935 when the University of Western Ontario conferred on him the honorary degree of Doctor of Laws. Subsequent to retirement, Dr. Sullivan lived quietly with his family at their home in London until his death on December 17th, 1946. Dr. Sullivan's kindly and helpful visits to classrooms will long be remembered by those with whom he came in contact.

Mr. E. J. Transom, M.A., B.Paed., died suddenly on April 26th, 1946, while returning to his home after having attended the Ontario Educational Association. He was a native of Milton, but received his elementary and secondary education in the schools of Hamilton. Mr. Transom graduated from Queen's University and secured his Master's degree from Columbia University. He taught in the public schools in Timmins, where he later became Supervising Principal. In September, 1943, he was appointed Inspector of Public Schools for the City of Fort William. Mr. Transom was an authority on educational and child psychology. Owning one of the largest and most comprehensive libraries at the head of the Lakes, he delighted in the company of books. He was frequently consulted by his colleagues on educational matters, and his opinions were highly regarded.



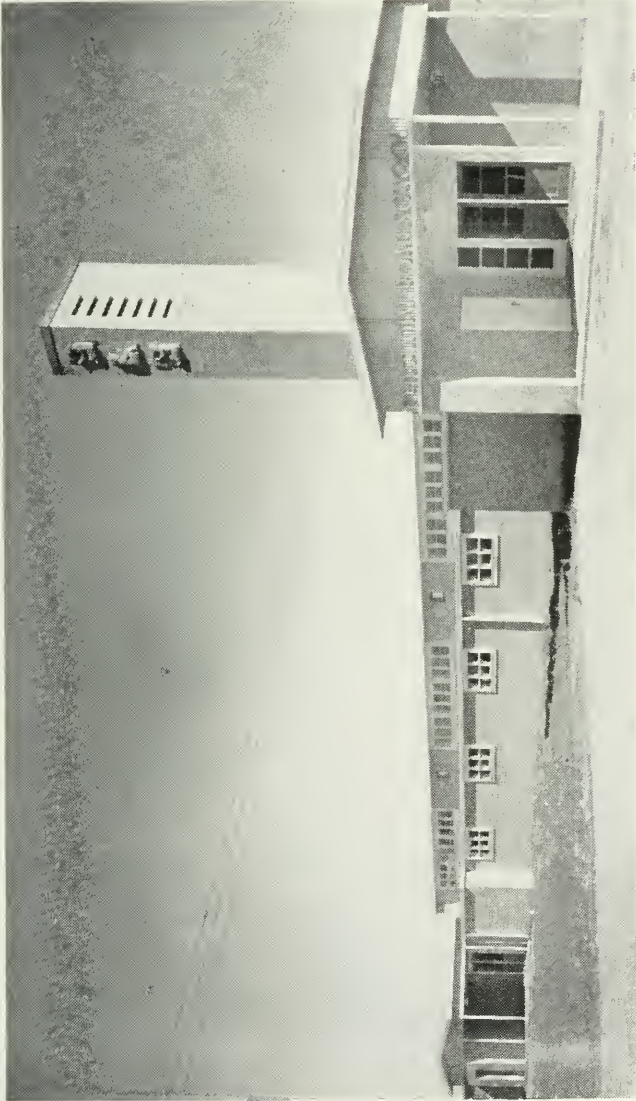
## II. RETIREMENTS:

Mr. W. L. Bowden, B.A., was born at Vittoria, Norfolk County, some two miles from the birthplace of Dr. Egerton Ryerson. He was educated in the village school in Vittoria and in the Simcoe High School. Mr. Bowden received his professional training in the Simcoe Model School and the Ontario Normal School, Hamilton, and graduated from Queen's University in 1919. He began his teaching career in a rural school in Charlotteville, Norfolk County, and later served as Principal at Bealton, Port Colborne Public School, Dresden Continuation School, New Hamburg Continuation School, and Port Rowan High School. In 1925 Mr. Bowden was appointed Public School Inspector for Essex No. 2, with headquarters at Kingsville. In 1940 he became Public School Inspector of Norfolk County and held this position until his retirement on August 31st, 1946. Mr. Bowden served faithfully and efficiently the cause of education, and had especial success in the formation and organization of Township School Areas.

Mr. A. R. Davidson, B.A., Assistant Superintendent of Schools for the City of Windsor from November, 1936, to August, 1946, was born in Middlesex County. Following his elementary education in Adelaide Township and his secondary schooling at Strathroy he attended the London Normal School in 1916-17. The first three years of his teaching experience were acquired in rural schools near his home. Subsequently, he was appointed to the staff of the Public Schools in the town of Walkerville and served there as principal until November, 1936, when he was chosen by the Windsor Board of Education to succeed the late Mr. J. E. Benson as Inspector of Schools. At that time he was also appointed Assistant Superintendent of Schools. In 1946 the business world, which had always held great attraction for Mr. Davidson, beckoned effectively and he left the educational field to become part-owner and executive official of a thriving machine-tool business. During his inspectoral term Mr. Davidson not only served well the school system under his direction, but participated actively in many worthwhile community projects. To him belong those qualities of mind and character which enable an individual to give leadership to any organization with which he is associated. Mr. Davidson was chosen President of Queen's Summer School in 1930, President of the Ontario, Michigan and Ohio division of the Progressive Education Association in 1945. It is to his credit that in his ten years of administrative work he managed to effect steady progress and improvement in the Windsor Public Schools.

Mr. Murray G. Hughson, B.A., B.Paed., resigned from service as Public School Inspector for the City of Kitchener, effective August 31st, 1946. Mr. Hughson was appointed to this position in 1942, his duties beginning on June 28th of that year. Previous to his appointment to this position Mr. Hughson was principal of Aberdeen Public School, London.

Mr. J. C. Smith, B.A., retired as Inspector of Public Schools for the City of St. Thomas and Elgin County on August 31st, 1946, and on his retirement had completed thirty years of service as an inspector. He was born in the City of Kingston and received his elementary education in the public schools of that city. Winning a scholarship in a Fifth Class, he entered the Kingston Collegiate Institute where he completed Honour Matriculation and was awarded the Watkin Scholarship with the honour of the Shultz Scholarship. Mr. Smith graduated from Queen's University in 1898 with Honours and Specialist standing in Classics. He later attended the Hamilton Normal College. He taught in public schools in Frontenac County and was a member of the staffs of the High Schools of Dutton, Dundas and Wingham. While in Wingham he became principal of the



*Courtesy Public School Argus*

Centennial School, Scarborough

High School, and went from Wingham to Ingersoll to assume the principalship of the Collegiate Institute. He resigned in June, 1916, to become Public School Inspector of Elgin East. In September, 1934, he became the Inspector of St. Thomas and Elgin County, in part, and in January, 1939, he was appointed to the inspectorship of St. Thomas and Elgin County. He served also as a member of the Senate of the University of Western Ontario. Before his retirement Mr. Smith had the satisfaction of seeing five Township School Areas established and the whole county organized into three High School Districts. His work and interest in the St. Thomas and Elgin Library Boards, in the Elgin Historical Society, in social and fraternal organizations, and in church work have brought him many executive duties and enlarged his sphere of usefulness.

### III. APPOINTMENTS:

The following appointments were made to the provincial staff of inspectors during the year 1946:

1. *Department of Education:* Mr. G. A. Pearson, B.A., Public School Inspector for Kent County, appointed Assistant Superintendent of Elementary Education, duties beginning January 1st.
2. *Department of Education:* Lt.-Col. S. A. Watson, B.A., Principal of the Ottawa Normal School, appointed Assistant Superintendent of Elementary Education, duties beginning January 1st.
3. *City of Kitchener:* Mr. R. M. Buie, B.A., B.Paed., Principal of Hartman Jones Memorial School, York East, appointed Public School Inspector, duties beginning November 1st.
4. *City of Sault Ste. Marie:* (New city inspectorate) Mr. Leonard Boyce, B.A., B.Paed., from the staff of Brockville Collegiate Institute, appointed Director of Education, duties beginning September 1st.
5. *Elgin:* Mr. A. D. McColl, B.A., Assistant Public School Inspector for Elgin, appointed Public School Inspector, duties beginning September 1st.
6. *Elgin:* Mr. K. F. Prueter, B.A., Supervising Principal of Oakville Public Schools, Army Service, appointed Assistant Public School Inspector, duties beginning September 1st.
7. *Peel:* Mr. J. C. McClelland, B.A., Kitchener Public School staff, Army Service, appointed Assistant Public School Inspector, duties beginning September 1st.
8. *Prescott & Russell No. 1:* Mr. W. C. VanderBurgh, B.A., Walkerton Public School staff, Army Service, appointed Public School Inspector, duties beginning September 1st.
9. *Renfrew North:* Mr. W. G. Chatterton, B.A., Chatham Public School staff, Army Service, appointed Public School Inspector, duties beginning September 1st.
10. *Stormont:* Mr. R. J. McNaughton, B.A., B.Paed., Assistant Public School Inspector for Wentworth, appointed Public School Inspector, duties beginning January 1st.
11. *Wentworth:* Mr. M. A. Craig, B.A., B.Paed., Principal of Hilson Avenue Public School, Westboro, Carleton County, Army Service, appointed Assistant Public School Inspector, duties beginning March 1st.

12. *District Division IV*: Mr. R. R. Steele, B.A., Supervising Principal of Fort Frances Public Schools, Air Force service, appointed Public School Inspector, duties beginning September 1st.
13. *District Division X*: Mr. H. A. Blanchard, B.A., Simcoe County rural schools, Army service, appointed Public School Inspector, duties beginning September 1st.
14. *District Division XI*: Mr. J. R. M. Peat, B.A., B.Paed., Toronto Public School staff, Army service, appointed Public School Inspector, duties beginning September 1st.
15. *R.C.S.S. Division VII*: Mr. W. H. Bulger, B.A., Penetanguishene High School staff, Army and Air Force service, appointed Separate School Inspector, duties beginning March 1st.

#### IV. TRANSFERS:

The following transfers were made in the provincial staff of inspectors during the year 1946:

1. Mr. F. L. Barrett, B.A., B.Paed., from Stormont to Kent, January 1st.
2. Mr. H. W. Brown, B.A., from District Division XI to Welland East, September 1st.
3. Mr. W. J. McLeod, B.A., B.Paed., from Carleton to Norfolk, September 1st.
4. Mr. T. C. White, B.A., B.Paed., from Welland East to City of Windsor, September 1st.
5. Mr. J. C. Wilker, B.A., B.Paed., from Prescott & Russell No. 1 to Carleton, September 1st.

#### V. NORMAL SCHOOLS:

1. Mr. F. S. Rivers, B.A., B.Paed., appointed Assistant Director of Professional Training. January 1st.
2. Mr. F. B. Smitheram, B.A., returned to Peterborough Normal School from Peterborough East; and Mr. K. O. Birkin, M.A., B.Paed., returned to Peterborough East from Peterborough Normal School. September 1st.
3. Mr. C. A. Mustard, B.A., transferred to Toronto Normal School from Renfrew North. September 1st.
4. Mr. G. L. Woodruff, B.A., transferred to Peterborough Normal School from District Division IX. September 1st.
5. Mr. C. P. O'Neill, M.A., transferred to North Bay Normal School from R.C.S.S. Division VII. March 1st.

#### Conclusion

I have been delighted to have had the opportunity of meeting many of the inspectors in group conferences during the year, in most cases in company with the masters in the local Normal School. These conferences have been fruitful, and it is my hope that they may be continued, and extended to parts of the province not previously covered.

It is realized that administrative duties in the formation of larger units of administration, and in connection with school financing and distribution of the legislative grants, have claimed much of the inspector's time and attention during



1946. His duties have become so numerous and varied that the term "Inspector" is perhaps not wholly appropriate. The inspectors have rendered good service in regard to both administrative and professional duties. Besides, the inspector is the field representative of the Department of Education, and bears responsibility for good public relations. Some inspectors have been ably assisted in their work by a Supervising Teacher or an Assistant Inspector.

Every inspector has long realized that, in his work as a professional supervisor of instruction, his first objective is to gain the co-operation of his teachers, that he cannot make any worthwhile contribution to education except through the day-by-day work in the classroom. Therefore, it has been a pleasure to note the intelligent use made by many inspectors of several kinds of co-operative supervision, such as classroom visitation where most needed, individual and group conferences with teachers, demonstration lessons, intervisitation, supervisory bulletins and circulars, reading and study clubs, and co-operative testing.

C. F. CANNON,

*Superintendent of Elementary Education.*

Toronto, March 31st, 1947.



## SECONDARY EDUCATION

I have the honour to submit herewith the reports of the High School Inspectors and the Director of Vocational Education for the school year 1945-46.

A. G. HOOPER,  
*Superintendent of Secondary Education.*

Toronto, June 2, 1947.

### 1. COLLEGIATE INSTITUTES, HIGH SCHOOLS AND CONTINUATION SCHOOLS

The scope of Secondary School education in the province of Ontario has gradually increased in recent years. In the school year 1945-46 the total enrolment of pupils in the Collegiate Institutes, High Schools, and Continuation Schools of Ontario was 89,521. The total number of teachers in these schools was 3,609. The corresponding figures for the year 1944-45 are 82,863 pupils and 3,362 teachers and for the year 1943-44, 74,512 pupils and 3,261 teachers.

On September 1, 1945, Major J. R. H. Morgan was appointed to the inspection staff for secondary schools. Major Morgan has the benefit of wide experience in various types of schools. His teaching experience, which began in the elementary schools, also included work in Continuation Schools before he joined the staff of North Toronto Collegiate Institute, Toronto. His qualifications as a specialist in French and Latin were enhanced by post-graduate studies in the Sorbonne, Paris, France. During the recent World War he served with distinction as an officer in the Canadian army and received for meritorious service the decoration of a Member of the Order of the British Empire. Major Morgan comes to his present position well fitted for its administrative duties.

The movement for the establishment of larger High School Districts advanced greatly during 1945-46. This movement was encouraged by a growing realization of the need for better educational opportunities for pupils in rural sections of the province. It was furthered by an increasing desire on the part of the public for improved accommodations and a wider variety of courses in secondary schools. During the year Mr. S. D. Rendall, High School Inspector, gave full time to this programme and, in view of the many requests from County Councils, Municipal Councils, and School Boards for meetings to discuss the reorganization of High school districts, Mr. G. L. Duffin, Public School Inspector for Essex County was appointed Executive Assistant to the High School branch of the Department to work with Mr. Rendall. Mr. Duffin is a graduate of the University of Western Ontario and holds the degree of Master of Education from Wayne University, Detroit. With his scholastic training and practical experience in the field, he has been able to give valuable assistance in connection with this movement.

Careful surveys of educational needs were followed by discussions at public meetings as a basis for action by municipal bodies. Thus during the school year 1945-46 thirty-one enlarged districts were established in addition to the eight which had previously been organized. The fact that many school boards have felt constrained by the scarcity of building materials and the high cost of construction to postpone the provision of urgently needed school accommodations

has given to county councils a splendid opportunity for wise planning and careful reorganization of high school districts.

The following table shows the location and the year of establishment of these Districts:

County	No.	Year established
Kent.....	2 .....	1944
Essex.....	6 .....	1945
Carleton.....	3 .....	1946
Elgin.....	3 .....	"
Halton.....	2 .....	"
Huron.....	4 .....	"
Hastings.....	1 .....	"
Kent.....	3 .....	"
Lambton.....	4 .....	"
Middlesex.....	5 .....	"
Perth.....	4 .....	"
York.....	2 .....	"

As a result of the establishment of these larger areas, some of the smaller secondary schools in the province requested dissolution at the end of June, 1946. By the end of the year 1946, public interest in this movement had resulted in the appointed of Consultative Committees in 36 of the 38 counties in the province.

For the first time in several years all candidates for Grade XIII (Upper School) standing were required to write the annual Departmental examinations in June. The wartime practice of granting standing upon the basis of early release of pupils from school for enlistment or for farm service was discontinued during the year.

During the school year 1945-46 interchanges were arranged for twenty Ontario teachers with teachers in various parts of England and for seventeen Ontario teachers with teachers in other provinces of Canada. The interchanges were for one year beginning in September, 1946.

Owing to the prevalent shortage of teachers it was found desirable to continue the policy of granting special permission to school boards to engage teachers who were not fully qualified in the subjects they were required to teach, especially in Shop Work, Home Economics, Music, and Art and Crafts. This shortage will gradually be overcome, since summer courses, which were suspended during the war years, have now been resumed.

The use of audio-visual aids as a supplement to regular class-room work increased during the year. In many schools new equipment, including radios, gramophones, and film projectors, was purchased. Special broadcasts for use in the schools were presented in the subjects of Guidance, English, French, and Mathematics with a view to further extension of this service at a later date. The chief purpose of these broadcasts has been to stimulate interest in these subjects and thus provide an aid to the classroom instruction. Principals and teachers alike have made wide use of these facilities to enrich the material available for class-room study. The broadcasts have also met with favourable reception by the general public.

In this, the first post-war year of education in Ontario, the services offered by our secondary schools have been greatly extended and substantially improved to meet the growing needs of our Province. The ultimate aims of secondary education remain fundamentally unchanged but the challenge of the present is also being met by a fuller appreciation of the needs of modern life.

W. R. STEWART,  
*for the High School Inspectors.*

## 2. VOCATIONAL SCHOOLS

The scholastic record of the vocational schools during the school year 1945-46 was most satisfactory, a definite upgrading of academic work being noticeable throughout the Province. An analysis of reports received shows a very high percentage of successes in the grade examinations and also shows that the standard of attainment of vocational pupils compares favourably with that of general course pupils in the upper school examinations. Vocational students were awarded several Dominion-Provincial scholarships for Grades XII and XIII as well as other scholarships provided by private donors. The continuing and expanding interest of business, industry, and other organizations in extending help to deserving pupils through provision of scholarships is commendable.

### Employment of Graduates

The close co-ordination established with industry and business through the employment service provided by the schools has greatly facilitated the placement of graduates. In addition to the contact made by the placement officer of the school, first-hand information of the various opportunities of employment available is obtained by graduating pupils through planned visits to plants and offices or by means of work experience. It is evident from employment records that graduates from vocational schools are assured of employment. In the commercial field, the call for trained office help is so great that the demand cannot be met, and the problem is to keep students in school until they have received adequate training.

### Part-time Training in Industry and Business

The part-time School-Industry plan operated at the Danforth Technical School in Toronto in connection with fourth year industrial classes (described in greater detail in previous reports) is being watched with interest throughout the Province. Ninety-one students participated in the scheme during the past year. Co-operative training has also been established in the F. R. Close Technical School and the High School of Commerce in Hamilton. Reports on progress are exchanged by the firms and the school, and in some cases, suggestions advanced by the pupils for the improvement of office conditions have been adopted. The introduction of a similar co-operative plan in the Malvern Collegiate Institute, Toronto, is under consideration. It may be possible before the close of another year to evaluate the advantages and disadvantages of this type of co-operative training.

### Growth

There has been a general increase in enrolment of vocational pupils during the past year in both day and evening classes. It is interesting to note that the increase in day school enrolment is greatest in the first and second years. A comparative table of statistics is given below. In order to ensure a proper comparison, the legislative grants *applying* to each school year are given without regard to the fiscal year in which the payments were made.

	1943-44	1944-45	1945-46
Number of Schools—Day.....	*59	*43	43
Number of Schools—Evening.....	49	46	†41
Number of Pupils—Day.....	30,956	27,782	30,252
Number of Pupils—Evening.....	29,546	32,834	37,807
Number of Teachers—Day.....	1,591	1,615	1,470
Number of Teachers—Evening.....	958	1,081	1,174
Legislative Grants (applicable to School Year).....	\$1,278,803	\$1,349,846	\$3,111,106
Net Municipal Expenditures (previous Calendar Year)...	5,198,184	5,284,355	3,569,265

\*Sixteen commercial departments transferred to high schools and collegiate institutes.

†Five centres transferred to night high schools.

### New Buildings and Other Accommodations

Kirkland Lake has provided a new home economics room, two new classrooms, an enlarged woodwork shop, and a sewing room.

The Ottawa Technical School has been obliged, through lack of space within the school building, to accommodate four classes (two in art and two in drafting) in rooms in the old Conservatory of Music.

The Danforth Technical School, Toronto, has provided accommodation for a new hairdressing and beauty culture class, and another room for plastics, both partially equipped and in use.

The Central High School of Commerce, Toronto, now has two attractive counselling rooms and one additional special room for teaching first-aid and healthful living.

In the Welland Vocational School three classrooms and a business machine room were added to the third floor, and a junior drafting room was established and equipped in the boys' industrial department. A new sound system was also installed for intercommunication, radio broadcast reception, and programme distribution.

Substantial additions to the vocational schools in St. Catharines and Kitchener-Waterloo are planned.

The Galt commercial office has been moved to the second floor to be near the rest of the department, and the electrical laboratory accommodation has been greatly improved.

In the Central Technical School, Toronto, there has been completed a three-room, up-to-date guidance centre, which takes care of group and individual guidance for both boys and girls. The accommodations for the courses in plastics and in radio broadcasting has been extended.

### Adaptation of Curriculum

In Toronto the commercial schools are organizing new courses in Grades XI to XIII to give students a wider choice of subjects; in the Kitchener-Waterloo Vocational School, farm boys are given instruction in the type of machine shop practice and carpentry particularly suited to farming operations. A number of other boards are arranging options in commercial work, but there is room for considerable improvement over the Province as a whole. Boards are being urged to co-operate in adapting the curriculum to meet individual needs and to use lesson-aid material more extensively, so that bright students may proceed at a *normal* rate without being retarded by weaker classmates.

### Extra-Curricular Activities

Opportunities for extra-curricular activities continue to expand throughout vocational schools. The most up-to-date programmes include such recreational features as school orchestras, brass and bugle bands, camera clubs, athletics, sports, music and dramatic groups, glee clubs, radio clubs, literary societies, debating societies, student administrative councils, school magazines, philatelic clubs and handicrafts.

### Transfer of the Ontario Training College for Technical Teachers from Hamilton to Toronto and Amalgamation with the Ontario College of Education

On the first day of September, 1946, the Ontario Training College for Technical Teachers was transferred from Hamilton to Toronto and amalgamated with the Ontario College of Education. Mr. R. D. Phillips of the Central Technical



School, Toronto, was appointed Acting Director of Vocational Training and the College staff, including W. R. Clarke, H. H. King, G. S. Apperley, and Miss Walker, was transferred to the College of Education. The Training College building in Hamilton is to accommodate the new Provincial Institute of Textiles which is referred to in another part of this report. C. C. Ashcroft, principal of the Training College, becomes principal of the Textile Institute, retaining Miss Harvey as his secretary.

#### **Teacher Training**

The new method of training vocational shop teachers, described in my last report, has met with considerable success, and is being continued at the Ontario College of Education in Toronto. As already pointed out, the new plan is an attempt to bring vocational teacher-training methods in line with actual teaching developments in the vocational schools. Observation and practice teaching have been extended and facilities provided at a number of vocational schools within a fifty-mile radius of Toronto.

#### **Industrial Arts and Crafts and Home Economics**

Interest in these subjects is spreading rapidly. New centres have been planned in a number of places and would be operating at the present time but for building difficulties and the scarcity of teachers and equipment. In the presentation of these subjects, teachers are continuing to broaden and enrich the content of courses. In the field of Home Economics, the functions, values and ideals of normal family life in a changing society are being emphasized. The scarcity of teachers still persists in spite of refresher and certificate courses provided by the Department, but the situation in Industrial Arts and Crafts is improving as teachers return from service in war industries and the Armed Forces. The teachers of these subjects are to be commended upon the excellence of their work.

#### **Apprenticeship**

Looking to the future, it is hoped to develop a plan whereby apprenticeship training will be centralized as part of the curriculum of a Provincial Technical Institute. Under present arrangements, students who complete a four-year course in a vocational school and who specialize in one of the designated trades are allowed to deduct two years from their apprenticeship training period, and those who spend three years in a vocational school are allowed one year towards their apprenticeship. Training on the job will always be a necessary adjunct to complete apprenticeship, but if the training is centralized, the provision whereby apprentices are required to attend night classes will probably be abolished.

#### **Evening Classes**

It is evident that evening vocational classes are maintaining their popularity. During the past year, every vocational school in the Province provided a wide range of courses and many reported increased enrolments over those of the preceding year. Advisory committees are assisting in implementing the adult education programme by providing special evening classes for adults.

#### **Provincial Technical Institutes**

Technical Institutes are a new venture on the part of Ontario in the field of technical training. One Institute has already been established, namely the Provincial Institute of Mining in Haileybury. A second, the Provincial Institute of Textiles, is being organized in Hamilton. A third is being organized between Port Arthur and Fort William, to be known as the Lakehead Provincial Technical Institute.



1. The purpose of the Haileybury Institute is to serve the needs of the mining areas of northern Ontario. It provides specialized technical courses in subjects related to mining, for youths and men who wish to enter the mining industry without investing the time and money required for degree courses.
2. The Hamilton Institute is being established in that city because it is the centre of the primary textile industry in Ontario. This Institute will provide a service to persons already employed in the industry and specialized training to young people who plan to occupy technical positions in the primary manufacture of textiles.
3. The Lakehead Institute will have a three-fold purpose, namely to provide technical training in mining, forestry, and agriculture.

#### Conclusion

It is quite apparent that Canada is entering a period when there will be great opportunities for industrial and commercial expansion. This expansion will not be possible unless our schools provide the specialists required. No time should therefore be lost in training the necessary technical personnel.

L. S. BEATTIE,

*Director of Vocational Education.*

PROFESSIONAL TRAINING

Attendance at Training Schools

Normal School	Number of Students				
	1944-45	1945-46	1946 (December)		
	Total	Total	Men	Women	Total
Hamilton (First Class Certificate).....	96	87	23	80	103
London (First).....	103	129	39	112	151
North Bay (First).....	53	66	30	83	113
Ottawa (First).....	77	118	22	115	137
Peterborough (First).....	75	91	22	58	80
Stratford (First).....	75	112	39	88	127
Toronto (First).....	170	251	105	197	.....
Toronto (Primary Specialist).....	19	19	.....	14	316
University of Ottawa (Second).....	71	109	19	104	.....
University of Ottawa (First).....	26	37	5	10	138
Total Normal Schools.....	765	1,019	304	861	1,165
Change from 1945-46.....	.....	.....	+97	+49	+146
Ontario College of Education (including Library and Home Economics).....	166	320	152	168	320
Change from 1945-46.....	.....	.....	-16	+16	0
Ontario Training College for Technical Teachers.....	19	20	64	3	67
Change from 1945-46.....	.....	.....	+45	+2	+47
Total for all Training Schools.....	950	1,359	520	1,032	1,552
Change from 1946.....	.....	.....	+126	+67	+193

To meet the problem caused by war-time shortage of teachers:

- (1) in 1940 and thereafter applicants were regularly admitted to Normal School on eight of the required nine Upper School papers. 1216 have so entered during the past seven years.
- (2) in 1943 applicants were admitted on seven, and in 1944 on five Upper School papers on condition that if successful they would be granted Deferred First Class certificates until the additional Upper School papers had been completed. 630 have so entered during the past four years.
- (3) In 1944 a First Year Normal School Summer Session of six weeks was established to which were admitted applicants holding at least full Middle School standing. 620 attended the London and Toronto centres, of whom 572 were granted Deferred Second Class certificates valid for one year. 466 of these attended the Second Year Normal School Summer Session in 1945, of whom 449 were granted Interim Second Class certificates.
- (4) In September, 1947, applicants holding eight of the required nine Upper School papers will be regularly admitted to Normal School and those holding five, six, or seven papers will be admitted to the Deferred First Class course.

- (5) A First Year Normal School Summer Session leading to a Deferred Second Class certificate will be held again during the summer of 1947, to which course will be admitted applicants holding Middle School standing and who have taught for at least five months on Letters of Permission.

Up to December 3rd 1015 Letters of Permission have been issued to unqualified teachers of whom 381 have been in receipt of teacher training from other provinces or in earlier times. Last year at this time 659 Letters of Permission had been issued.

### Medical Inspection of Training Schools

All applicants to Training Schools are required to submit to a medical examination before they are finally accepted. In 1937 seventeen applicants were rejected; in 1938, twenty-seven; in 1939, twenty-six; in 1940, thirteen; in 1941, seventeen; in 1942, eight; in 1943, nine; in 1944, fifteen; in 1945, twelve, in 1946, eight. Applicants suffering from physical handicap of a less aggravated nature are permitted to enter on signing a waiver to claims for disability pension under the Teachers' and Inspectors' Superannuation Act. In 1939-40 two signed waivers; in 1940-41, seven; in 1941-42, thirty-eight; in 1942-43, forty-six; in 1943-44, forty; in 1944-45, sixty; in 1945-46, forty-three; in 1946-47, twenty-one.

### Cost of Medical Inspection

Amount paid physicians for medical examinations—1,517 × \$4.00.....	\$6,068.00
Amount paid hospitals and radiologists for X-ray films.....	584.15
Amount paid consultants obtained by the Medical Board.....	645.00
Amount paid nurses re medical examinations.....	180.87
Refund of fees to students excluded by the Medical Board.....	10.00
	<hr/>
	\$7,488.02
Less fees paid by students.....	2,474.00
	<hr/>
	\$5,014.02

Late registration fees collected from some students. Other students who paid their fees in September required further examinations. No extra fee was charged. Students with military service were not required to pay a fee.

This amount to be divided between:

Ontario Government.....	\$2,507.01
Teachers' and Inspectors' Superannuation Commission.....	2,507.01
	<hr/>
	\$5,014.02

### Practice Teaching—Normal Schools

In the Normal Schools practice teaching is carried on according to three methods: (1) Each student teaches a minimum of 23 lessons in graded and ungraded schools under competent and experienced critic teachers. The first five are prepared under supervision of the Normal School Masters in order that a reasonable degree of success may be attained and confidence inspired. The remaining eighteen constitute the basis upon which the student's practice teaching is judged. (2) In the regular rural practice schools a student teacher takes charge of the whole school for one hour instead of teaching a single lesson to a single class. (3) During the latter half of the term students are assigned four weeks of continuous observation and practice teaching, two in rural schools and two in graded schools taking full charge of the school for half of each week under the supervision of the teacher.

The average cost of practice teaching per student is \$103 per annum, made up as follows: practice teaching \$58, continuous teaching \$20, transportation \$10,

grants to Boards and janitors \$15, total \$103. This constitutes the major variable cost since it increases or decreases directly with the enrolment.

### Changes in Staff

On October 27, 1946, Mr. Edward A. Miller, a member of the staff of the Toronto Normal School, died suddenly. Mr. Miller was born near Rodney, Ontario, and attended the London Normal School. After gaining some teaching experience in rural schools near Leamington and in Northern Ontario, he attended the Ontario Agricultural College, from which he graduated with the degree of B.S.A. in 1923. He was appointed head of the science department of the Chatham Collegiate in 1925. In 1930, he joined the staff of the Stratford Normal School, and later secured the degree of Bachelor of Pedagogy from the University of Toronto. Mr. Miller was transferred to the Toronto Normal School in September, 1939, and spent the last seven years of his life at work there. He was deeply respected and loved by his students, who were inspired by his sound scholarship and quiet humour. He contributed numerous articles to the School Magazine on Science instruction.

On November 7, 1946, Miss A. Elsie Sherin, Instructor in the Primary Specialist Course offered in the Toronto Normal School, died suddenly. As a specialist in Primary Methods, Miss Sherin served on the staff of the Ottawa Normal-Model School, from 1919 to 1939, when she was transferred to Toronto. She rendered excellent service to the students in attendance at the Primary Specialist Course as an Instructor in Primary Methods, and contributed effectively to the establishment of the programme.

Mr. H. E. Ricker was appointed to temporary duty as Science Master at Toronto Normal School in December, 1946. Mr Ricker was eminently qualified for work in this field having served as Science Master and Principal at North Bay Normal School for a number of years before his retirement in 1943.

Mrs. Isabel E. McKone was appointed Instructor in Home Economics at Toronto Normal School in September, 1946. Mrs. McKone's previous experience in the Home Economics field includes service, first as teacher and later as supervisor, in the public schools of London, Ontario, and some years as Instructor in London Normal School, prior to her resignation in June, 1942.

Mr. C. A. Mustard, Inspector of Public Schools in Renfrew North, was appointed Master in Toronto Normal School in September, 1946. Mr. Mustard's early teaching experience included service on the staffs of Upper Canada College, and of public schools of Toronto. In 1940, he enlisted in the Artillery, where he served for three years, until his transfer to the General Staff. When discharged in 1945, he held the rank of Major, and the award of M.B.E. He was appointed Inspector of Public Schools, with headquarters at Pembroke, in September, 1945.

On October 5, 1946, Dr. G. W. Hofferd, Science Master in the London Normal School, retired. Dr. Hofferd was born in Huron County, trained at the Stratford Model School and taught for five years at Parry Sound. After graduation from Queen's University in Honour Science, he taught in Essex High School, Peterborough Collegiate, Lucan High School, Victoria Model School, Kingston, and Oakwood Collegiate, Toronto. Following this period of service he taught for 31 years in the London Normal School. Dr. Hofferd obtained a specialist certificate in Agriculture at Guelph, an Art specialist certificate from the Art School of Toronto, and his Doctor of Pedagogy degree



from Toronto. He was a frequent contributor to the School Magazine, and was author of "Content and Methodology of Lower School Biology" and "Suggestions for Teachers of Agriculture".

Mr. C. P. O'Neill succeeded Dr. Hofferd as Science Master in the London Normal School. Mr. O'Neill is a graduate of Toronto University. He obtained his professional training at Toronto Normal School and the Ontario College of Education. Mr. O'Neill taught in New York State and in Hamilton, Ontario, where he was also Guidance Director for one year. For two years he served as an Inspector of Schools in Northern Ontario. After spending one year as a member of the staff of the North Bay Normal School, he was transferred to the London Normal School Staff.

On September 1, 1946, Miss Louise Gahan, Librarian in the London Normal School, retired. Miss Gahan taught in the London Public schools and afterwards joined the staff of the London Public Library. In June, 1919, she was appointed to the London Normal School staff, where as Librarian she rendered excellent service until the time of her retirement.

On September 1, 1946, Miss Louisa Moisley was appointed Librarian in the London Normal School to succeed Miss Gahan. Miss Moisley is a native of Welland County and taught in Fenwick for two years, and later in Welland in Kindergarten and Grade I. She attended the Library School at the Ontario College of Education and was then appointed to the London Normal School staff.

Mr. J. E. Chambers, Instructor in Manual Training in the North Bay Normal School, retired on August 31st, 1946. Born in Hastings County, Mr. Chambers attended in turn, Belleville and Deseronto High Schools, Madoc Model School, Ottawa Normal School, Shaw's Business College, and the Manual Training branch of the Ontario Agricultural College. After teaching in rural schools for several years he was engaged as teacher of commercial subjects and Manual Training at Alexandra School, Guelph. Appointed from there to the staff of the North Bay Normal School on January 2, 1911, Mr. Chambers gave 35 years and 8 months of effective service as Instructor in Manual Training and Writing.

Mr. G. R. Smith, Master in the Ottawa Normal School, retired August 31, 1946. Mr. Smith received most of his elementary education in a rural school near his birthplace at Bothwell, Kent County, Ontario. His teaching experience was long and varied. After several years in elementary schools, he attended Toronto University and graduated as a specialist in Mathematics and Physics. After eleven years of experience in Wingham High School, Kingston Collegiate Vocational Institute, and Lisgar Collegiate, Ottawa, Mr. Smith was appointed to the staff of the Ottawa Normal School. His long period of conscientious and efficient service in the Normal School was broken temporarily by two years spent in study and travel abroad. He was co-author with Professor J. T. Crawford, of the Ontario High School Arithmetic.

Mr. J. E. Smith was appointed to the staff of the Ottawa Normal School on September 1, 1946, to succeed Mr. G. R. Smith. Mr. J. E. Smith was born in Southampton and received his public school education there. He attended Lucknow and Wingham High Schools and Stratford Normal School. After several years' experience in a rural school and in Goderich public schools, he was appointed principal of Listowel High School. He received his B.A. degree from



Queen's University and his B.Paed. degree from Toronto University. Mr. Smith gave service in the Army with the Directorate of Personnel Selection and was overseas for one year. Upon his discharge in 1945, he accepted appointment as a counsellor with the Department of Veterans' Affairs, and a few months later became District Supervisor of Training for Western Ontario.

On September 1, 1946, Mr. L. W. Copp was appointed Principal of the Peterborough Normal School. Mr. Copp was born in Mariposa Township, County of Victoria, and received his elementary, high school and Normal School training in Peterborough. He taught in two rural schools and in Oshawa, South River and Peterborough Public Schools. He is a graduate of Queen's University and obtained his B.Paed. degree from the University of Toronto. In the war of 1914-18 he was three years overseas with the Canadian Field Artillery. At the conclusion of the war he taught Soldiers' Civil Re-establishment at Ottawa. He served as Captain on the Peterborough Rangers Regiment H.A.A. Mr. Copp was Inspector of Schools in northern Ontario from 1926 to 1930, and in Peterborough County from 1930 to 1944. In the school year 1939-40 he was on the Peterborough Normal School staff on exchange and was a Master in that school from 1944 until his appointment as Principal.

In September, 1946, Mr. G. L. Woodruff was appointed to the staff of the Peterborough Normal School as English Master. Mr. Woodruff was born in Ottawa, where he received his elementary and secondary education. Following graduation from Ottawa Normal School in 1934, he taught in North Renfrew County and Ottawa Public Schools. Mr. Woodruff is a graduate of Queen's University and served with the Canadian Army, retiring with the rank of Major. Upon return to civilian life and prior to his present appointment, he served as Public School Inspector in the District of Cochrane.

On September 30, 1946, Miss E. M. Everson, Instructor in Health and Home Economics in the Stratford Normal School, retired. Miss Everson was born in the County of Durham and received her elementary and secondary education in Oshawa. Her professional training was secured at the Ontario Normal College, Hamilton, and in the Household Science Department of the University of Toronto. In addition to specialist standing in Household Science, Miss Everson had taken post-graduate work in her subject at Teachers' College, Columbia University, and at the Massachusetts Institute of Technology. After experience as a public and secondary school teacher in Ontario and Saskatchewan, she joined the staff of the Stratford Normal School in 1921, where she rendered valuable service to education in Ontario in her dual capacity as Instructor and Dean of Women.

On October 17, 1946, Miss Lelia J. Finlay was appointed Instructor in Home Economics in the Stratford Normal School on a part-time basis. Her professional training was received in the Stratford Normal School, and in the Ontario College of Education. In addition to her work at the Normal School, Miss Finlay serves as an employee of the Stratford Board of Education as teacher of Home Economics in the public schools and Vocational night school classes.

On August 31, 1946, Miss Agnes J. Johnston, Librarian in the Stratford Normal School, retired. Miss Johnston was born and received her early education in the City of Stratford. She obtained her training as a teacher at the Ontario Normal College, Hamilton, and as a Librarian in the Library School of the University of Toronto. Before her appointment to the librarianship in September,

1919, Miss Johnston was a member of the Stratford public school staff where she served as a practice school teacher for the Normal School. In her 27 years of competent service, she has made a marked contribution to education in this province.

Miss Gwendolyn Manchester was appointed on August 15, 1946, as Librarian in the Stratford Normal School. Miss Manchester is a graduate of the Ottawa Normal School and the Library School of the University of Toronto. Her experience as a teacher was obtained in the Ottawa public schools, and as a librarian in the Ottawa Public Library, where she was in charge of a branch library.

H. E. AMOSS

*Superintendent of Professional Training.*

Toronto, June 30th, 1947.

# SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS

## Teachers' Training and Qualifications

In 1945-46 there were 144 teachers-in-training at the University of Ottawa Normal School, 37 of whom were enrolled in the First Class course and 107 in the Second Class course. As a result of the term and final examinations 34 students were awarded First Class certificates, and 97 obtained Second Class certificates.

The following table shows the number and percentage of Ontario French-speaking elementary school teachers holding First or Second Class certificates in November, 1946, and the progress made in this regard since 1929:—

	1929	1939	1943	1944	1945	1946
Total number of French-speaking teachers in Elementary Schools.....	1,087	1,390	1,448	1,484	1,576	1,615
Number of above teachers holding I or II Class certificates.....	273	1,271	1,272	1,297	1,348	1,377
Percentage of French-speaking teachers holding I or II Class certificates.....	25.11	91.43	87.85	87.39	85.53	85.29

The slight decrease since 1943 in the percentage of First and Second Class certificated teachers is due to the abnormal situation caused by the war.

## Secondary School Classes

The following table shows the number of French-speaking students enrolled in December, 1946, in the advanced French courses of Collegiate Institutes, High, Continuation, and Vocational Schools under the supervision of the Department of Education:—

SCHOOL	GRADE					Total
	IX	X	XI	XII	XIII	
Alexandria High.....	34	12	13	8	3	70
Cornwall Collegiate and Vocational.....	96	46	21	5	5	173
Embrun High.....	45	17	13	13	.....	88
Espanola Continuation.....	8	5	4	.....	.....	17
Hawkesbury High (for Fr.-sp. pupils).....	78	41	27	34	.....	180
Hearst High.....	11	2	6	2	.....	21
Iroquois Falls High.....	8	7	11	2	.....	28
Kapuskasing High.....	27	28	10	2	.....	67
Kirkland Lake Collegiate and Vocational....	24	9	7	5	.....	45
Lafontaine Continuation.....	14	17	10	15	1	57
Mattawa High.....	7	7	7	4	.....	25
North Bay Collegiate and Vocational.....	29	7	.....	.....	.....	36
Ottawa Technical.....	67	44	30	22	.....	163
Paincourt Continuation.....	11	15	8	4	1	39
Penetanguishene High.....	28	26	12	5	.....	71
Plantagenet High.....	23	16	20	20	6	85
Rockland High.....	19	13	12	5	2	51
Smooth Rock Falls Continuation.....	17	9	3	1	.....	30
Sturgeon Falls High.....	32	17	25	12	8	94
Sudbury High and Technical.....	72	37	27	15	4	155
Tilbury High.....	8	1	.....	.....	.....	9
Timmins High and Vocational.....	68	21	18	8	.....	115
Vankleek Hill Collegiate.....	18	5	1	2	.....	36
Totals.....	744	402	285	184	30	1,645

NOTE:—The absence of students in the higher grades of some of the above schools is due to the fact that the advanced French courses were recently established in these schools.

In the following table are shown the enrolment totals of French-speaking students taking advanced French courses in the secondary schools of the provincial system for the period 1938-1946:—

Year	Grade					Total
	IX	X	XI	XII	XIII	
1938.....	327	182	155	143	32	839
1939.....	392	235	203	130	67	1,027
1940.....	440	310	172	132	48	1,102
1941.....	584	336	178	119	32	1,249
1942.....	531	336	189	101	30	1,187
1943.....	516	312	205	114	22	1,169
1944.....	644	384	215	142	33	1,418
1945.....	712	429	272	150	39	1,602
1946.....	744	402	285	184	30	1,645

It will be noted that the enrolment of French-speaking students in the public secondary schools of the Province has almost doubled in the period of eight years.

This creditable increase, it is confidently expected, will be exceeded in the next few years, because of the present organization of larger secondary school areas which will afford better and more readily accessible educational opportunities.

#### Elementary Schools

##### Age-Grade Distribution of Pupils

The tables on pp. 136-144, present a compilation of the French-speaking School inspectors' Annual Age-Grade Reports for May, 1946.

##### Grade-Enrolment of Pupils

The following comparative table, for the years 1938, 1944, 1945 and 1946, shows the marked progress which has been achieved, during the period under review, in the grade-enrolment distribution of French-speaking pupils in all elementary schools:—

##### Separate and Public Schools

Grade	1938		1944		1945		1946	
	Num-ber	Per cent	Num-ber	Per cent	Num-ber	Per cent	Num-ber	Per cent
I.....	11,216	23.66	7,540	17.13	7,588	16.70	7,882	16.46
II.....	6,992	14.75	6,056	13.76	6,387	14.06	6,489	13.56
III.....	4,974	10.49	6,026	13.69	6,047	13.31	6,341	13.25
IV.....	5,548	11.71	5,678	12.90	5,833	12.89	6,003	12.54
V.....	5,828	12.30	5,104	11.59	5,516	12.14	5,878	12.29
VI.....	4,775	10.07	4,783	10.86	4,670	10.29	5,109	10.68
VII.....	3,764	7.95	3,837	8.71	4,049	8.91	4,237	8.85
VIII.....	2,913	6.15	3,315	7.53	3,492	7.68	4,020	8.39
IX.....	727	1.52	921	2.09	994	2.18	1,019	2.13
X.....	443	.93	577	1.31	615	1.35	702	1.46
Auxiliary.....	217	.47	191	.43	227	.49	189	.39
Totals.....	47,397	100.00	44,028	100.00	45,418	100.00	47,869	100.00

NOTE:—The grade-enrolment for the year 1938 comprises some English-speaking sections of mixed schools in Northern Ontario which, prior to 1942, were included in the French-speaking Inspectors' Annual Age-Grade Reports.

TABLE No. 1

**ANALYSIS OF AGE-GRADE DISTRIBUTION IN RELATION TO IDEAL AGE-SPREAD  
IN ELEMENTARY RURAL AND URBAN SCHOOLS ATTENDED BY  
FRENCH-SPEAKING PUPILS, MAY 1946**

**(A) Separate and Public Schools**

Grade	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent	Number	Per cent	Number	Per cent
I.....	157	1.99	7,254	92.03	471	5.98
II.....	81	1.24	5,648	87.05	760	11.71
III.....	129	2.03	5,145	81.14	1,067	16.83
IV.....	218	3.63	4,619	76.94	1,166	19.43
V.....	154	2.62	4,372	71.38	1,352	23.00
VI.....	234	4.58	3,811	74.65	1,061	20.77
VII.....	237	5.59	3,341	78.85	659	15.56
VIII.....	312	7.77	3,279	81.56	429	10.67
IX.....	208	20.41	771	75.66	40	3.93
X.....	185	26.35	498	70.94	19	2.71
Totals.....	1,915	4.01	38,741	81.25	7,024	14.74

NOTE:—The 189 pupils enrolled in Auxiliary Classes are not included in the above table.

**(B) Separate Schools**

Grade	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent	Number	Per cent	Number	Per cent
I.....	141	1.96	6,635	92.19	421	5.85
II.....	75	1.28	5,182	87.72	650	11.00
III.....	121	2.09	4,710	81.62	940	16.29
IV.....	195	3.52	4,293	77.46	1,054	19.02
V.....	137	2.55	4,005	74.29	1,248	23.16
VI.....	209	4.42	3,536	74.71	988	20.87
VII.....	224	5.69	3,100	78.68	616	15.63
VIII.....	271	7.28	3,045	81.72	410	11.00
IX.....	200	20.16	752	75.81	40	4.03
X.....	182	26.42	488	70.83	19	2.75
Totals.....	1,755	3.99	35,746	81.45	6,386	14.56

NOTE:—The 189 pupils enrolled in Auxiliary Classes are not included in the above table.

**(C) Public Schools**

Grade	Under Ideal Age Spread		Within Ideal Age Spread		Over Ideal Age Spread	
	Number	Per cent	Number	Per cent	Number	Per cent
I.....	16	2.34	619	90.37	50	7.29
II.....	6	1.02	466	80.08	110	18.90
III.....	8	1.40	435	76.31	127	22.29
IV.....	23	4.98	326	70.72	112	24.30
V.....	17	3.49	367	75.20	104	21.31
VI.....	25	6.65	278	73.94	73	19.41
VII.....	13	4.38	241	81.15	43	14.47
VIII.....	41	13.94	234	79.59	19	6.47
IX.....	8	29.63	19	70.37	.....	.....
X.....	3	23.08	10	76.92	.....	.....
Totals.....	160	4.22	2,995	78.96	638	16.82





Kindergarten-Primary Class, Kapuskasing Separate School, 1946-47

TABLE No. 2

## GRADE-ENROLMENT DISTRIBUTION IN ELEMENTARY SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS, MAY 1946

## (A) Separate and Public Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent	Number	Per cent	Number	Per cent
I-IV.....	9,972	59.22	16,743	53.96	26,715	55.80
V-VIII.....	6,438	38.23	12,806	41.27	19,244	40.21
IX-X.....	429	2.55	1,292	4.17	1,721	3.60
Auxiliary.....			189	.60	189	.39

## (B) Separate Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent	Number	Per cent	Number	Per cent
I-IV.....	8,327	59.06	16,090	53.65	24,417	55.39
V-VIII.....	5,373	38.11	12,416	41.43	17,789	40.36
IX-X.....	399	2.83	1,282	4.28	1,681	3.82
Auxiliary.....			189	.64	189	.43

## (C) Public Schools

Grades	Rural		Urban		Rural and Urban	
	Number	Per cent	Number	Per cent	Number	Per cent
I-IV.....	1,645	60.04	653	62.02	2,298	60.59
V-VIII.....	1,065	38.87	390	37.03	1,455	38.36
IX-X.....	30	1.09	10	.95	40	1.05
Auxiliary.....						

The following comparative table shows the grade-enrolment distribution of French-speaking pupils in separate and public schools for the years 1939, 1944, 1945 and 1946.

## Separate and Public Schools

Grades	1939		1944		1945		1946	
	Num-ber	Per cent	Num-ber	Per cent	Num-ber	Per cent	Num-ber	Per cent
I-IV.....	29,098	59.00	25,300	57.46	25,855	56.93	26,715	55.80
V-VIII.....	18,473	37.46	17,039	38.70	17,727	39.04	19,244	40.21
IX-X.....	1,480	3.00	1,498	3.40	1,609	3.54	1,721	3.60
Auxiliary.....	268	.54	191	.44	227	.49	189	.39

## Annual Contest

## ELEMENTARY SCHOOL SECTION

The finals of the ninth annual provincial contest among the Grade VIII French-speaking pupils of Ontario were held in Ottawa on April 24th and 25th, 1946.

Following modifications in the general organization of the provincial contest, the candidates were divided into two categories: those from schools of one or two classrooms and those from schools of three classrooms or more.

After winning preliminary tests in their own schools and inspectorates, twenty-six contestants—twelve from the smaller schools and fourteen from schools of three classrooms or more—took part in this final competition. The four provincial winners, two from each category, who were awarded secondary school scholarships by L'Association canadienne-française d'Éducation d'Ontario, were as follows:—

Schools of one or two classrooms:

1st boy: Gilles Lapointe, 12, R.C.S.S. 1, Lamarche & Fournier, Cochrane;  
1st girl: Jacqueline Bertrand, 12, P.S.S. 8, Plantagenet North, Pendleton.

Schools of three classrooms or more:

1st boy: Pierre Hurtubise, 13, Garneau School, Ottawa;  
1st girl: Thérèse de Montigny, 14, Immaculate Conception School, Kapuskasing.

The grand award, a trophy donated by L'Association de l'Enseignement français de l'Ontario for the highest marks among all contestants of the Province, went to Jacqueline Bertrand, of Pendleton.

#### SECONDARY SCHOOL SECTION

The fourth province-wide contest among the Grade XII and Grade XIII French-speaking students was held during the year. Preliminary contests were held in four regional centres and were followed by a final competition in Ottawa at the same time as the elementary school contest, on April 24th and 25th, 1946. The two provincial winners, who were also awarded valuable scholarships by L'Association canadienne-française d'Éducation d'Ontario, were the following:—

Raymond Sauvé, 17, Hawkesbury High School;  
Suzanne LaRocque, 17, Plantagenet High School.

#### Correspondence Courses

In June, 1946, ended the fourth school year in which correspondence courses for French-speaking children of Ontario were given by the Department of Education. Thus far, the lessons for pupils of Grades I to VI only were available.

In September, 1946, were added the courses for French-speaking pupils of Grade VII and Grade VIII, which had been prepared by Inspector Adélaré Gascon, M.A., Ph.D., B.Paed., and the enrolment during the school year 1946-47 was 352 pupils, divided as follows:—Grade I, 86; Grade II, 69; Grade III, 58; Grade IV, 42; Grade V, 38; Grade VI, 32; Grade VII, 14; Grade VIII, 13.

#### French Basic Vocabulary

It may be recalled from previous reports that Inspector Laurier Carrière, M.A., B.Paed., of Cornwall, agreed in June, 1946, to check and revise the various word lists, which had been compiled by eleven committees of teachers and inspectors, and to undertake the research work necessary to establish a French Basic Vocabulary according to a scientific method.

During the fall of 1946, Mr. Carrière checked these lists and rejected some 2,000 words which he felt were doubtless beyond the range of elementary school pupils. Then, by means of *Le Petit Larousse Illustré*, he checked page by page the remaining words. It was found that some 1,000 very common words had been omitted from the original lists.

He then proceeded to an elimination of those words which were suspected of being too difficult for Grade VIII pupils. Forty lists of 100 words each—the most difficult—were submitted to 100 Grade VIII pupils of five inspectorates and each pupil was requested to write out a sentence with each of the words he knew. All the words understood by less than 50% of the pupils were rejected. This test revealed that some 2,000 words were too difficult for Grade VIII pupils.

Through the use of the same method and the same sampling, some 1,000 of the easiest words were found to be of the Grade III level.

Lists of 50 words each were made with the remaining words and a preliminary grade-placement of these words was established as follows. The list was submitted to Grade IV pupils who were asked to write out a sentence with each of the words they knew. All the words clearly understood by 50% or more of the pupils were kept for that grade. The remaining words on that list were then given to Grade V pupils. The same method was followed, i.e. all words unknown by 50% or more of the pupils were considered as being of the Grade VI level. The same procedure was followed up to and including Grade VIII. This preliminary grade-placement gave the following results: Grade III, 1,500 words; Grade IV, 1,690; Grade V, 1,004; Grade VI, 937; Grade VII, 871; and Grade VIII, 774.

Tests were then given throughout the province with some 20,000 French-speaking pupils participating. The Grade III pupils were tested on the words of Grades III and IV. The Grade IV pupils were tested on the words of Grades IV and V and so on up to and including Grade VIII.

The compilation of results will be undertaken this year and it is expected that the work may be completed in 1948.

Teachers and inspectors are awaiting the results of this important research work which, no doubt, will be of great significance in Ontario French education.

ROBERT GAUTHIER,

*Director of French Instruction.*

Toronto, July 17th, 1947.



## AGRICULTURAL CLASSES

---

### Elementary Schools

Reports for the school year ending June 30, 1946, were received from 2,497 schools of which 403 were urban. Grants under the Regulations for instruction in Grades VII and VIII were claimed by 1,957 schools.

School gardens were reported in 738 schools. "Improvement of Rural Schools Grounds" was reported in 1,759 schools. This activity is resulting in marked improvement in the appearance of rural school grounds in many parts of Ontario.

School Fairs were conducted in a number of inspectorates under local committees with the co-operation of the Agricultural Representative and the Inspector. The activities and exhibits at the School Fair at Tehkummah on Manitoulin Island last October, which I was privileged to attend with Inspector Geiger, were an excellent example of what can be done in this field. Much credit for the success of this Fair was due to the direction of Mr. F. H. Cotton, Agricultural Representative, and the members of the local committee. In many other inspectorates a junior department is provided as a part of the fall fair programme.

The number of certificated teachers concerned in the schools reported was 1,026.

Instruction in agricultural topics in the Elementary School course is as important as ever. Practice in planting and caring for vegetables and flowers, the recognition of common weeds, the study of beneficial and harmful insects and a knowledge of the production and processing of dairy, poultry and meat products should be taken in all schools.

The Regulations now provide for a special grant to the Board based on the grading of the Inspector in schools in which the teacher holds a certificate in Agriculture. All expenditures are to be included under "Cost of Operation".

### Secondary Schools

Instruction in Agriculture is provided in Secondary Schools (1) in courses in Agricultural Science which are optional with General Science in Grades IX, X, XI and XII, and (2) in Agriculture which is taken in schools which have been granted permission to adopt the programme under Regulations for Departments of Agriculture. This programme provides essentially a two-year general course in Grades IX and X including instruction in Agriculture and Shop Work for boys and Home Economics for girls. Commercial subjects are optional with the languages in Grade X. Agriculture is an option in Grades XI and XII and in 1946 was taken in three schools. The Regulations also provide for visits to homes of pupils during the summer months by the principal and teacher, for serving a hot dish at noon hour during the winter months, for the use of the school property as a community centre and for an Open Night or Achievement Day during the school year. The revised programme was introduced in August 1944 and the number of schools have increased from twelve to fifty-three. The following tables give information concerning the number of schools and other particulars.



### *Schools taking Agricultural Science*

	Total	Increase	Decrease
Collegiate Institutes.....	28	3	1
High Schools.....	93	9	4
Continuation Schools.....	54	4	6 (3 closed)
	<hr/> 175	<hr/> 16	<hr/> 11

### *Departments of Agriculture*

Departments of Agriculture are in operation in 51 schools under General Regulations and in 2 schools under Vocational Regulations, a total of 53.

### *Teachers and Qualifications*

The number of teachers and their qualifications are as follows:

Specialists in Agriculture.....	135
O.A.C. Graduates included above.....	94
Intermediate Certificate in Agriculture.....	91
Granted permission 1945-46.....	21
	<hr/> 247

It is worthy of note that graduates of the Ontario Agricultural College are Principals in twenty-four of the above schools.

### *Practical Studies*

Provisions for practical studies in schools are as follows:

School Gardens.....	150
Colony type poultry houses.....	39
Colonies of bees.....	38

### *Teacher Supply*

As indicated above by the number of teachers granted permission there is still a shortage of teachers. In June 1946, eighteen of the twenty O. A. C. graduates who completed the Ontario College of Education courses secured positions as teachers of Agricultural Science and Agriculture. The lack of qualified teachers is mainly in smaller schools where there are frequent changes. As more High School areas are formed there will be a need of more teachers for schools introducing the Department of Agriculture or composite school programme. This need will be met by graduates of the Ontario Agricultural College who attend the College of Education and through summer courses for Science teachers.

### *Regulations*

Regulations for Agricultural Science and Departments of Agriculture provide for grading grants based on the calendar year. All expenditures are to be included in "cost of operation" under the General Grant Regulations.

### *Character of Instruction*

In Agricultural Science and Agriculture every effort is made to link instruction at school with practical activities on the farm and in the home. Chickens are kept in the school poultry house during the winter months and looked after by the pupils. In the spring chicks are purchased and reared in this poultry house. Colonies of bees provide interesting and valuable instruction and in many cases may be divided to provide colonies for students in home project activities.

Visits to the homes of pupils by the principal for supervision of projects has met with considerable approval and carries the school work to the home during the summer months. In all communities these visits enable the principal to discuss with the parents the progress and objectives of each pupil and in many cases has resulted in the return to school of students who otherwise might have dropped out.

There has been a steady increase in the number of secondary schools giving instruction in Agricultural Science and Agriculture. The indications are that there will be a further increase in September 1947.

Winter Courses in Agriculture and Farm Mechanics have been conducted in a number of schools during the year. These have been organized through the co-operation of the Agricultural Representative and other officials of the Department of Agriculture at Belleville, Blenheim, Pelham, Ridgetown and Stirling. This programme should be extended to other schools next year.

### *Inspection and Supervision*

Inspection of schools with Departments of Agriculture is conducted by Mr. E. R. McClellan or the undersigned accompanied by another inspector in the case of the larger schools. Schools with Agricultural Science only are inspected by one of the above or Mr. A. L. Laskie. Under this arrangement it was possible to visit all schools during 1946.

### **Statistics and Comments**

Agricultural Science was taught during the year in the secondary schools listed below: Under (a) are schools in which Lower School courses only are taken, and under (b) both Lower and Middle School Courses. Schools in which Departments of Agriculture have been established have (D) after the name:

#### *Collegiate Institutes*

(a) Brockville, Cornwall, Ingersoll, Kitchener, \*Owen Sound, Oshawa, Perth, Runnymede, \*Stratford, York Memorial, \*Woodstock. Total 11.

(b) Barrie, Belleville, Clinton (D), East York, Fort William, Goderich (D), Lindsay, Napanee (D), Orillia, Picton (D), Port Arthur, Renfrew (D), St. Mary's (D), Scarborough, Smiths Falls (D), Stamford (D), Strathroy (D). Total 17. Departments of Agriculture—9.

#### *High Schools*

(a) \*Bancroft, Bracebridge, \*Bradford, Chesley (D), Durham, \*Exeter, \*Flesherton, \*Forest, \*Lucknow, Merriton, Mount Forest, Newmarket, Parkhill, Port Credit, \*Stouffville, Tilbury, \*Walkerton, \*Wallaceburg, Wiarton. Total 19.

(b) Alexandria (D), Alliston, Amherstburg, Arthur (D), Athens (D), Beamsville (D), Blenheim (D), Bowmanville, Brighton, Burford (D), Burlington, Caledonia, Cayuga, Chesterville (D), Cochrane (D), Dundalk, Dunnville (D), Elmira (D), Essex (D), Fergus, Fort Frances, Grimsby (D), Hagersville (D), Haileybury, Harriston, Harrow (D), Iroquois, Kemptville (D), Kincardine (D), Kingsville (D), Lakefield, Leamington, Listowel (D), Lucan, Madoc, Markdale, Markham, Maxville, Meaford (D), Midland, Milton (D), Mitchell (D), Morewood, Nepean, Newburgh, Newcastle, New Liskeard, Norwich (D), Norwood, Oakville (D), Orangeville, Palmerston (D), Petrolia (D), Port Elgin (D), Port

---

\*Introduced Agricultural Science in September 1946.

Perry (D), Preston (D), Ridgetown (D), Saltfleet, Seaforth (D), Shelburne (D), Simcoe (D), Smithville, Stirling (D), Streetsville, Sydenham (D), Trenton, Tweed (D), Uxbridge (D), Waterdown, Waterford (D), Watford, Whitby (D), Williamstown, Winchester. Total 74. Departments of Agriculture—39.

### *Continuation Schools*

(a) Ailsa Craig, Bath, Bothwell, Burgessville, Chatsworth, Clifford, \*Denbigh, Eganville, Grand Valley, Kars, Millbrook, Milverton, Minesing, \*North Gower, \*Paisley, Seeley's Bay, \*Tavistock, Wellington. Total 18.

(b) Agincourt, Ayr, Beaverton, Brooklin, Brownsville, Comber, Drayton (D), Florence, Fordwich, Ilderton, Inglewood, Kinnmount, Lynden, Lyndhurst, Merrickville, Mindemoya, Mount Albert, Mount Brydges, Mount Elgin, Mount Pleasant, New Dundee, New Hamburg, Orono, Pelham (D), Port McNicoll, Princeton, St. George, Sparta, Sundridge, Tamworth, Teeswater, Thamesford, Thamesville, Tiverton, Wheatley (D), Woodville. Total 36. Departments of Agriculture—3.

### *Vocational Schools with Departments of Agriculture*

Belleville, Chatham.

Agricultural Science is taken in Grades IX and X in 48 schools and in both Lower and Middle School grades in 127 schools.

The following abbreviated table shows the development in this phase of instruction since its beginning in 1913 and the number of schools now taking Agricultural Science:

Year	Collegiate Institutes	High Schools	Continuation Schools	Total
1913.....		1	1	2
1918.....	8	13	4	25
1928.....	14	44	23	81
1941.....	27	82	59	168
1943.....	26	78	49	153
1944.....	27	82	52	161
1945.....	26	88	56	170
1946.....	28	93	54	175

### **Normal Schools**

There have been no material changes in the Normal School Course in Agriculture. Except in the University of Ottawa Normal School, instruction in Agriculture is part of the regular course and the subject is taken by all students. Some time is now being given to Science and Agriculture at the University of Ottawa Normal School. Students who have taken four years of Agriculture in an approved school during their Secondary School course are granted an Interim Elementary Certificate on successfully completing the Normal School course. Others must attend summer school to secure a certificate in Agriculture.

Facilities for instruction in practical phases of gardening and other topics are provided, the instructors are capable and a good course is given as far as the time allotment on the Normal School programme will allow. All Normal Schools were visited during the year.

### Summer Courses

Permits to teach Agricultural Science were granted to 21 teachers of Science for the school year 1946-47. The lack of teachers certificated in Agriculture has retarded the extension of Agricultural Science during the past seven years. A number of teachers completed their standing at the Summer Course in 1946. Enrolment was Elementary I—9; Elementary II—10; Intermediate I—17; Intermediate II—43, Specialist—13, Inspectors—11.

NORMAN DAVIES,

*Inspector of Agricultural Classes.*

Toronto, August 1, 1947.

## AUXILIARY CLASSES

### The Development of Special Education in Ontario

Among all the more highly civilized peoples of the world, special education is accorded an important place in the national or state school systems. In no other comparable area, has the right of the exceptional child to educational opportunity been more speedily recognized and more amply provided for than in the province of Ontario. The first schools for the physically handicapped were opened approximately twenty years after the Rev. Egerton Ryerson organized our educational system. Training institutions, special schools and classes have been opened and have received government support from the following dates:

Schools for the Blind and Deaf.....	1873
Institution for Delinquent Girls.....	1880
Institution for Delinquent Boys.....	1887
Institution for Feeble-minded Children.....	1888
Institution for Epileptic Children.....	1905
Classes for Mentally Handicapped Children.....	1911
Sight Saving, Home Instruction, Hard-of-Hearing and Speech Correction Classes.....	1921
Vocational Schools for Senior Mentally Handicapped Boys and Girls.....	1924
Institutional, Hospital, Open Air and Forest School Classes.....	1924
Correspondence Courses.....	1925
Orthopaedic Classes.....	1926
School Cars.....	1926
Advancement Classes.....	1928
Oral Day Classes for the Deaf.....	1929
Opportunity, Sight Saving, Home Instruction, Transportation and Speech Correction Units in small Schools.....	1930
Classes for Dull Normal Pupils.....	1934
Classes for Adults in Sanatoria.....	1939
Habilitation Units for Cripples.....	1940
Remedial Reading Classes.....	1942
Secondary School Units for Cripples.....	1942
Instruction of the Deaf-Blind.....	1943

For a variety of reasons several of these institutions, schools and classes are administered by other departments of the provincial government. The Ontario Hospital schools accommodate pupils classed as idiots and imbeciles and because the problem presented is more that of shelter and treatment than of education it is the responsibility of the Department of Health. The Training Schools for delinquent boys and girls are placed under the direction of the Department of Reform Institutions because, although academic and vocational instruction is provided in these schools, their chief purpose is to effect the reformation of their charges and to protect society, and because the children are committed to these schools by order of the court and leave them by way of legally arranged placement or under supervision.

The remainder of the schools and classes are administered by the Department of Education. The Schools for the Blind and Deaf, the Correspondence Courses and the School Cars are supervised, organized and provided by the Department of Education. The remaining special schools and classes are organized and provided by local boards of education under the Auxiliary Classes Act. Supervision is exercised by the Auxiliary Education Branch which also administers the grants paid in respect to these classes.

### Changes in Certification of Teachers of Special Classes

The establishment of two levels of certificates in Auxiliary Education is a change which was deferred by World War II. The new system follows the pattern



of the other summer courses in providing for elementary and intermediate certificates. At some later date, it is expected that a training course leading to a supervisor's certificate will be added.

Beginning in July, 1947, courses will be offered for the following types of special classes:

Elementary—Type I—valid in Opportunity and Handicraft classes for 2 years.

Type II—valid in Speech Correction and Lip Reading classes for 2 years.

Type III—valid in Remedial Teaching classes for 2 years.

Intermediate—Type I—valid in Opportunity and Handicraft classes.

Type II—valid in Speech Correction and Lip Reading classes.

Type III—valid in Remedial Teaching classes.

Type IV—valid in Sight Saving classes.

Type V—Home Instruction and Hospital classes.

The elementary certificate of each type must be secured before the teacher is admitted to the corresponding type of intermediate course. Elementary course, Type I or Type III is a prerequisite for admission to Intermediate Type IV or V.

In previous years a refresher course of five weeks has been given annually to a group of fifteen to twenty-five holders of certificates in Auxiliary Education. It has been decided to award Intermediate Certificates to all teachers who have completed successfully one of the Refresher Courses.

#### Urban Organization

During 1946 as a result of surveys conducted in this and previous years, the following classes were opened:

Advancement—Ottawa.....	2
Handicraft—Belleville.....	1
Toronto.....	8
Peterborough.....	2
Hard of Hearing—Ottawa.....	1
Windsor.....	1
Home Instruction—Kirkland Lake.....	1
Opportunity—Southampton.....	1
Remedial Teaching—London.....	1
Newmarket.....	1
New Toronto.....	1
Sight Saving—Windsor.....	1
Speech Correction and Lip Reading—Toronto.....	2
Brantford.....	1
Sanatorium—Ottawa.....	1

At the request of several school boards, inspectors and principals, the techniques of administering group intelligence and achievement tests were demonstrated in the schools concerned. The Dominion Group Tests of Learning Capacity, The Otis Alpha and Beta Examinations, and the Henmon-Nelson Intelligence Test were used with very satisfactory results.

The administration of one group intelligence test yields an Intelligence Quotient or a mental age which can be used for prognosis, but further tests are necessary before the results can be considered reliable. One way to determine the accuracy of the Intelligence Quotient or mental age so obtained is to administer achievement tests at least in reading and arithmetic as they are school subjects in which standards must be reached if a pupil is to be regularly promoted.

The Dominion Tests of Fundamentals of Arithmetic, The Iowa Silent Reading Test, The Gates Reading Survey, The Metropolitan Arithmetic Tests and the Nelson Silent Reading Test have been used to secure grade scores which could be compared with the teacher's opinion of a pupil's work and with a probable grading based on the mental age secured by the use of group intelligence tests. These data proved helpful to the school officials concerned, since in eighty per cent of the cases the records supported their opinions that the pupils were accurately graded. In over fifteen per cent of the cases, weaknesses in either arithmetic or reading were shown in specific terms instead of the general terms used by the teachers.

Previously, a preliminary survey of retardation consisted of a comparison of the chronological ages of the pupils in a class with the ages given in Form A. C. 7. Pupils who were severely retarded were listed and in the actual survey were given an individual intelligence examination. It appears that when a preliminary survey consists of (1) the administration of group intelligence and achievement tests and (2) a listing of pupils who show retardation chronologically, the number of pupils selected for individual examinations is almost doubled. In that part of the survey which follows, the pupils who have difficulty with one subject only are examined individually as well as those who are retarded in all subjects.

Remedial Teaching by a teacher who is specially skilled in the arts of adjusting pupils who have failed in arithmetic and reading is being used to an increasing extent. The child is given the help he requires at the time it is most readily received. He is enrolled in a regular grade class, but is also included in a small group which meets daily under a special teacher for periods of remedial instruction. Under this plan, many pupils are not required to spend two years in a grade.

In some cases, principals select pupils for remedial or corrective teaching, when it is evident that the pupil cannot progress at the normal rate and is in need of a slower learning programme. This shows that there is still some confusion as to the type of pupil who should be given remedial or adjustment teaching.

#### Rural Organization

Opportunity, Speech Correction, Sight Saving and Home Instruction units may be organized by a school board in areas where the number of pupils is insufficient to form a class. Units are usually organized following a survey of a school or inspectorate conducted by the Inspectors of Auxiliary Classes with the assistance of the public or separate school inspector concerned and the teaching and nursing staffs. Special advisements for each pupil are prepared in the Auxiliary Education Branch and forwarded to the schools through the inspector.

The following table shows the survey work completed during the calendar year 1946.

Inspectorate	Inspector	Number of Pupils
Carleton.....	J. C. Wilker.....	631
Essex.....	R. A. Pierce.....	541
Frontenac South.....	N. Campbell.....	18
Grenville.....	H. W. Knight.....	60
Leeds.....	E. Oakes.....	8
Victoria West.....	C. W. Lees.....	37
Renfrew North.....	C. A. Mustard.....	30
Welland South.....	N. R. Wightman.....	20
Welland.....	C. R. McLeod.....	22

Inspectorate	Inspector	Number of Pupils
York No. 1 .....	O. M. MacKillop .....	8
No. 2 .....	M. R. Fydel .....	130
No. 8 .....	C. Howitt .....	38
District Division VI .....	A. C. Ritter .....	54
" " VII .....	W. MacMillan .....	38
	J. L. Runnals .....	18
	R. W. Cassie .....	16
R. C. District Division XI .....	J. F. Kinlin .....	35
	V. C. Quarry .....	50
Total .....		1,754

### The Report and Recommendations of Dr. and Mrs. Ewing

Dr. A. W. G. Ewing and Mrs. Irene R. Ewing of Manchester University visited the classes for the deaf and hard-of-hearing in Hamilton, Toronto and East York in September while they were in North America on a lecture tour which covered most of the United States.

Excerpts from their report, which deal with day-schools for the deaf and hard-of-hearing, have been selected for inclusion in this report as follows:

#### A. Classification

"There appears to be appreciable wastage of effort on the part of first-class teachers because they are called upon to teach classes of pupils who are so unequally matched in chronological age, mental ability, capacity to hear and educational achievement, that they cannot be taught as a homogeneous class or even in two or three smaller groups. This weakness in the system was most apparent in one or two of the day schools, where the unit is small and adequate classification is proportionately more difficult. In these cases it appeared to us that the system of classification had not been thoroughly applied. We realized that the Authorities concerned were fully aware of this and that there was already in operation, a scheme of classification planned on a scientific basis, that took account of all the factors involved, viz, the results of tests of mental ability and educational achievement, of audiometric tests of hearing and previous experience (if any) in hearing."

#### B. Buildings and Equipment

##### Day Schools.

"The ample accommodation provided in every school, the lighting equipment and colourfulness of the classrooms all roused our admiration and sometimes almost our envy."

"We understand that the provision of more and of more up-to-date hearing aid equipment is only a matter of time. When this becomes practicable, it would seem advisable to have the hearing aid equipment installed in those classrooms that are not reverberant or whose ceilings and walls have been treated with sound-absorbent material. Some of the rooms, in which we saw hearing aids in use, were not suitable because of intense reverberation or proximity to noisy places."

#### C. Methods of Teaching

"First we would like to express our admiration and appreciation of the zeal and keen interest of the teachers of the deaf in all the schools we visited in Ontario. We formed a high opinion of their skill in teaching and of their devotion to their work."

"It seemed to us that further progress in methods of teaching would be achieved if and when a more clear-cut scheme of basic classification should come into operation. This would in the first place separate entirely the partially deaf from the deaf pupils, but it would ensure that each child gets the kind of education for which he is most fitted e.g., a partially deaf child would be educated mainly through hearing supplemented by lip reading; a totally deaf child, whose intelligence is below normal, would be educated by finger-spelling and reading."

#### D. Training of Teachers

"As has already been stated, we thought the quality of the teaching staff was high. This was equally true in the case of those teachers who had been trained at Belleville and of those who had previously trained as speech correctionists and who were in charge of classes for the partially deaf."

"Nevertheless, if in the future, the education of the deaf in Ontario is to keep pace with modern developments and research, it would seem necessary for the Department of Education in Ontario to formulate a new and comprehensive scheme of training in order to secure an adequate supply of specialist teachers who would come within one of the following categories:

- fully qualified nursery school teachers who hold also a special qualification as teachers of young deaf children.
- certificated teachers who also hold a certificate as an all purpose teacher of the deaf.
- certificated teachers or speech correctionists who also hold a qualification as teachers of the partially deaf."

## The Ontario Age-Grade Table

The Ontario Age-Grade Table is based on the data on ages by grades collected by inspectorates on May 31st of each year. This table for ages by grades is extended to give ages for each month of every elementary school grade by interpolating the figures for each month of the school year. Because there are annual changes in the average or mean age of pupils in each grade, the age-grade table must be changed from time to time in order to fit the actual school conditions, and if possible to anticipate trends.

An illustration of the changes and trends may be noted from the Eight-Year Table of Ages and the graphs for each grade from I-XIII inclusive. It will have been noted that in 1937 the average age of graduates of Grade III was greater than the average age of beginners in Grade IV. Another way of saying this is that the age in June of graduates of Grade III was higher than the average age of the same persons when they entered Grade IV two months later in September. This anomaly may be explained by the habit in Ontario of accelerating the school programme by promoting pupils in Grade III to Grade V. By reference to the same tables it is apparent that by 1942, for some reason or other, the anomaly which showed in 1937 has disappeared.

The Age-Grade Table as a measure of retardation or acceleration has been used in Ontario since the inauguration of the Auxiliary Education Branch. If a pupil's age is above the average for his grade, he is said to be retarded, in terms of his chronological age. Where the converse situation occurs, he is accelerated. A year of a person's time is very important to him and as a result should be equally important to his teacher. Retardation is a sign to which all school officials should be specially alert. When retardation amounts to one and a half years in Grades I-IV inclusive or two years in Grades V-VIII inclusive, it is a signal that the retardation has reached a severe stage and that the pupil is in need of special educational methods, materials or conditions.

The data printed in the Eight-Year Table and shown graphically have been prepared by the Statistics Branch of the Ontario Department of Education to show the details on which this important measure of school efficiency is based. It is also given to allow school officials to enlarge the existing age-grade table by inserting ages for all classes above Grade VIII. These figures have been found necessary in recording the grade scores attained in Achievement Tests.

## AVERAGE AGE IN EACH GRADE

1938-1945

Standard grade pupils only

Grade	1938	1939	1940	1941	1942	1943	1944	1945	Average
1.....	7.4	7.3	7.2	7.2	7.2	7.3	7.2	7.2	7.2
2.....	8.7	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.4
3.....	9.7	9.7	9.6	9.6	9.6	9.5	9.5	9.6	9.6
4.....	10.4	10.2	10.5	10.5	10.6	10.5	10.5	10.6	10.5
5.....	11.3	11.3	11.4	11.5	11.5	11.5	11.5	11.7	11.4
6.....	12.2	12.1	12.3	12.4	12.4	12.4	12.4	12.6	12.3
7.....	13.2	13.2	13.2	13.2	13.2	13.3	13.3	13.5	13.3
8.....	14.1	14.1	14.1	14.0	14.1	14.1	14.1	14.3	14.1
9.....	15.0	14.8	14.9	14.9	14.8	14.8	14.8	15.1	14.9
10.....	15.9	15.9	15.9	15.8	15.6	15.6	15.6	15.8	15.7
11.....	16.9	16.9	16.8	16.7	16.6	16.6	16.6	16.7	16.7
12.....	17.6	17.8	17.8	17.6	17.5	17.4	17.4	17.5	17.5
13.....	18.7	18.6	18.7	18.4	18.3	18.3	18.3	18.4	18.5



### **The Wechsler Bellevue Intelligence Examination**

The individual intelligence examinations in use in Ontario schools are not used so successfully with adolescents and adults for the reason that the mental age obtained through their use does not usually exceed twenty years. Even if the adult mental age of fifteen or sixteen years is used in these cases, the persons with the greatest ability cannot secure an I.Q. exceeding 133, except when the score is translated by means of tables into equivalents based on higher ages.

Results may be valid in the cases of approximately ninety per cent of the persons so tested. The remaining ten per cent of the school population because of academic, mental, emotional or physical handicaps require the services of a teacher or psychologist trained to give an individual intelligence test.

The Wechsler Bellevue Intelligence Examination is individually administered and the results can be interpreted in terms of chronological ages from 15 years to 60 years. It is in two parts to allow separate intelligence quotients to be worked out on (a) a verbal score and (b) a performance score, and has been validated by administering it to adolescents and adults. It has been added to the library of the Auxiliary Education Branch to serve as an extra tool to be used in the examination of adolescents.

In Auxiliary Education, it is used in the Sanatorium Classes where many of the students are from 15 to 60 years of age. It is being administered by trained teachers who enroll adult patients for educational therapy.

Copies of this test are now in the library of the Auxiliary Education Branch for the use of inspectors and trained teachers. Some use has been made of the tests in supplementing the data obtained from other tests administered to adolescents.

### **Tests of Manual Dexterity and Mechanical Ability**

This year Dr. W. J. McIntosh completed a five-year study of manual dexterity and mechanical aptitudes at the Jarvis Street School For Boys. Because of reading difficulties and other handicaps, these boys are unable to perform at their true ability levels on group tests. In this study, twenty-five different tests of manual dexterity and mechanical aptitude were each administered individually to some hundreds of boys in an attempt to find an efficient method of replacing them in shops for pre-vocational training.

The results indicate that by administering six of the twenty-five tests tried out in the experiment, the results can be used to place the boys in the kind of shop work they would eventually choose. This method is much more simple than the previous one of giving each boy a one-month trial in each of the twelve shops.

Dr. McIntosh's report was accepted in partial fulfilment of the requirements for the degree of doctor of pedagogy by the School of Graduate Studies of the University of Toronto. Mention of the work is made in this report because this is the first time a special class teacher has undertaken such a lengthy study out of which has come a valuable contribution to the education of the handicapped.

### **The Detroit Convention I.C.E.C.**

The International Council for Exceptional Children held its first post-war convention in April, 1946 at Detroit. The proximity of this city to Ontario was partly responsible for the attendance of more than sixty delegates from Ontario



including trustees, superintendents, inspectors, principals and teachers. Part of the programme included visits to the special schools and this allowed teachers to see classes in which the work of their particular specialty was duplicated.

This convention is of special importance to special class teachers on the North American continent because the reports of experiments in special education are first presented there. The next step in the dissemination of this information is its appearance in the magazines. The final step is its inclusion in textbooks when they are revised.

#### Summer School Courses in Auxiliary Education

The programme of the Summer Courses in Auxiliary Education was enlarged in 1946 through the co-operation of several governmental agencies.

The Workmen's Compensation Board gave permission to visit the Occupational Therapy and Physio-Therapy Clinic at 77 Richmond St. West. Over half the teachers enrolled in the Summer Courses attended. Dr. Storms gave a short talk on the purposes of the clinic and provided guides for the visitors. This excursion was valuable to teachers of special classes because it showed them how crafts were used by handicapped adults on the same principles as they are used by handicapped pupils.

The Audio-Visual Aids Branch of the Department of Education provided sound and silent moving pictures to supplement lectures given in the several Auxiliary Education Courses. The Nervous System, Nutrition, Hearing Mechanisms, Growth and Conditioning were pictures which contributed to the success of the summer course.

Dr. E. P. Lewis of the Psychiatric Hospital arranged for the full clinical discussion of two typical cases. These discussions illustrate to the teacher the fact that the difficulties felt by a pupil are seldom single but develop in groups or syndromes.

The D. V. A. Hospitals through the kindness of Dr. Bailey provided opportunities for observing clinical conferences on the cases of stutterers. D. V. A. psychologists demonstrated the Rorschach and the Thematic Apperception Tests.

C. E. STOTHERS,  
*Inspector of Auxiliary Classes.*

Toronto, August 15th, 1947.

Statistical data relative to this report may be found on pp. 131-135.

## SCHOOL ATTENDANCE

The enrolment in the elementary and secondary schools of the Province of Ontario has again increased. This year it is 20,671 more than in 1944-45 which in turn was 15,741 more than in 1943-44. Thus, at the present time there are 36,412 more children in these schools than there were two years ago. This increase is divided into two groups. In the elementary schools there were 6,297 more than last year and in the secondary schools 14,374.

The following comparative table shows the enrolment of the last three years.

**Table No. 1—Enrolment**

	1943-44	1944-45	1945-46	Increase or Decrease
Public Schools.....	433,494	434,425	436,709	2,284 I.
Separate Schools.....	99,361	104,285	108,298	4,013 I.
High Schools and Collegiate Institutes.....	66,041	73,866	79,853	5,987 I.
Continuation Schools.....	8,471	8,997	9,668	671 I.
Vocational and Special Industrial Schools—				
Day Classes.....	31,433	29,405	32,159	2,754 I.
Night Classes.....	29,546	33,109	37,807	4,698 I.
	668,346	684,087	704,494	20,407 I.

**Table No. 2—Schools and Teachers**

	1944-45		1945-46	
	No. of Schools	No. of Teachers	No. of Schools	No. of Teachers
Public.....	6,603	14,754	6,575	15,232
Separate.....	907	3,225	943	3,453
Totals.....	7,510	17,979	7,518	18,685

While the enrolment in the Public Schools has increased by 2,284, yet the number of schools decreased by 28. This is due to the increase in the number of township areas. In many of these the smaller schools were closed and the children transported to other schools where better opportunities are afforded. As the Separate Schools are more widely separated, there is not the same opportunity for Union School Boards.

**Table No. 3—Percentage Attendance**

Class of School	1941-42	1942-43	1943-44	1944-45	1945-46
City Schools.....	92.7	91.6	91.8	92.55	93.04
Town and Village Schools.....	94.7	91.4	91.5	92.05	91.52
Ordinary Rural Schools.....	89.6	89.6	88.3	88.52	89.53
All Urban Schools.....	92.8	91.5	91.7	92.38	92.65
All Suburban Schools.....		87.9	91.7	91.66	94.04
All Elementary Schools.....	91.7	89.6	90.8	91.03	92.02

For only one year in the last ten has the percentage attendance fallen below 90 and in that year (1942-43) it was 89.6.

**Table No. 4—Public School Attendance**

	1944-45		Days Lost per Pupil	1945-46		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural.....	118,426	87.12	23.5	121,386	89.27	20.01
Urban.....	229,662	92.30	14.5	227,749	93.10	13.16
Suburban.....	32,126	91.66	17.4	37,013	94.19	10.97

From the above table it would appear that there is a tendency to move from the cities to suburban areas; the average attendance in the cities has decreased and the attendance in the areas nearby has increased.

**Table No. 5—Separate School Attendance**

	1944-45		Days Lost per Pupil	1945-46		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural.....	15,951	91.33	21.0	18,534	91.32	16.09
Urban.....	72,287	92.66	11.9	75,427	91.57	16.99
Suburban.....	4,962	94.52	11.6	4,717	92.78	7.71

**Table No. 6—Totals**

(Tables 4 and 5 combined)

	1944-45		Days Lost per Pupil	1945-46		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Rural.....	134,377	88.52	27.12	139,920	89.53	19.50
Urban.....	301,949	92.38	14.21	303,176	92.72	14.07
Suburban.....	37,088	91.92	16.68	41,730	94.04	10.42

**Table No. 7—All Elementary Schools**

	1944-45		Days Lost per Pupil	1945-46		Days Lost per Pupil
	Average Attendance	Percentage Attendance		Average Attendance	Percentage Attendance	
Public.....	380,214	90.60	18.2	386,148	92.04	15.18
Separate.....	93,200	92.34	16.0	98,678	92.01	16.11

Table No. 8—Absence in Elementary Schools

Days Lost Through	1945-46	Percentage Loss			
		1942-43	1943-44	1944-45	1945-46
Illness.....	5,395,099	61.28	67.64	57.71	66.19
Home Help.....	691,779	10.16	10.09	9.84	8.49
Parental Neglect.....	559,825	7.41	7.22	8.36	6.87
Physical Obstacles.....	204,298½	6.14	1.50	5.61	2.51
Truancy.....	28,184½	.39	.43	.40	.34
Privation.....	9,807	.31	.28	.24	.12
Irregular Closing.....	847,816	9.81	8.11	13.02	10.40
Other Reasons.....	413,975	4.56	4.73	4.82	5.08
Total Days Lost.....		9,961,625	9,304,145	8,940,898	8,150,784
The above losses are classified—					
Lawful.....		7,442,875	7,258,305	6,640,668	5,397,077
Unlawful.....		2,518,750	2,045,840	2,300,230	2,753,707
Percentage Attendance.....		89.9	90.8	91.0	92.02

An analysis of the above comparative table shows some very interesting facts. The general health of the school children was not as good as the year preceding, there being more absences due to colds, mumps, chicken-pox, whooping cough and kindred diseases. Naturally, the percentage of loss for this factor has risen 8.68. The losses for home help and parental neglect both show declines. This is due in part to improved labour conditions and in part to the influence of the Family Allowance Bonus which is conditioned on regular attendance at school.

The winter of 1945-46 was exceptionally free from general storms and the loss from physical obstacles dropped about 3%. A similar condition prevailed in irregular closing with the result that loss from that factor was reduced from 13.02 to 10.40. Where irregular closing is caused by the illness of the teacher nothing much can be done about it as no substitutes are available. Loss due to truancy is now about a third of one per cent while the loss due to privation has been reduced to .12 per cent. There is little variation from year to year in the losses due to reasons which cannot be briefly classified. On the whole the percentage attendance of all elementary schools is the highest it has ever been, 92.02 per cent. It is interesting to note that of the 8% loss, only about one-third is unlawful.

Table No. 9—Summary of Attendance Officers' Reports

	1942	1943	1944	1945
School Children's Employment Certificates issued.....	1,382	1,043	1,157	648
Home Permits issued.....	2,717	2,053	1,874	1,661
Employment Certificates issued.....	12,792	12,544	11,911	7,180
Cases brought before Magistrate.....	820	1,113	1,085	965

The above summary is for the calendar year. The number of certificates issued has been considerably decreased. It might again be pointed out that the number of certificates issued does not mean that that number leave school. School Children's Employment Certificates are all for short periods, not more than six weeks in a term. Home Permits, too, are usually for short periods. As an Employment Certificate is required for each change of employment, there are, naturally, many duplicates in the above total.

Table No. 10—Secondary Schools

Schools	No. of Schools	No. of Teachers	Enrolment		Percentage Attendance	
			1944-45	1945-46	1944-45	1945-46
High Schools and Collegiate Institutes . . . . .	236	3,090	73,866	79,853	94	95.24
Continuation Schools . . . . .	194	519	8,997	9,668	91	96.31
Vocational and Special Industrial Schools—Day . . . . .	†48	*1,142	29,405	32,159	93	92.04
Night . . . . .	41	‡1,174	33,109	37,807		
			62,514	69,966		
Totals . . . . .	†453	4,751	145,377	159,487		

\*Includes those who teach in both Vocational and Academic branches.

†Many of these teach in Day schools.

‡25 schools are composite, and appear in both academic and vocational totals.

In the Secondary Schools there is an over-all increase in the enrolment of 14,610. This increase combined with that of the Elementary System shows that there are 35,281 more attending school than in the previous year.

R. D. KEEFE,  
*Director of School Attendance.*

Toronto, June 25, 1947.



## DEPARTMENTAL EXAMINATIONS

---

### Changes in Staff

Within the past two years, the Branch has suffered the loss of three valued members, each of whom had given many years of devoted and effective service to education in the province.

The appointment of the Registrar, Mr. J. P. Cowles as Deputy Minister, and his subsequent retirement are mentioned elsewhere in this Report. The retirement of Mr. W. A. Beecroft, Head Clerk, was reported previously.

The third member of the group, Mr. Bruce Leadbetter, Confidential Printer, retired on April 25th, 1945, after forty-six years of service in the same office. During those years, Mr. Leadbetter was responsible for the printing of the Departmental Examination papers, a task he performed most acceptably and with never-failing courtesy toward all those with whom he came into contact. At one time he was required to print each year 110 papers, with a total run of 790,000 copies. In recent years, with the adoption of the recommendation system in the Lower and Middle Schools, the number of papers has dropped to 72, with a total run of 452,000 copies.

Mr. Leadbetter's place was taken by Mr. P. L. Burrows of Lindsay, who has had over twenty years' experience as a printer, chiefly of text-books.

### The Departmental Examinations

The main work of the Branch involves the supervision of the preparation of the Departmental Examination papers, the administration of the examinations, the oversight of the marking of the answer papers, the recording of the marks, and the issuing of Departmental certificates and diplomas and of teachers' certificates.

The extent of these activities in 1946 is indicated in the statistical tables in Part II of this Report.

### Increased Work of the Branch

During and immediately following the war years, the work of this Branch increased tremendously. Contributing factors were the operation of Circular 27, under which Departmental standing was granted to deserving candidates upon the basis of early release from school for enlistment or for farm service; the evaluation of educational standing for persons desirous of entering the Armed Forces; the necessity of issuing letters of permission for boards to engage unqualified teachers; the issuing of large numbers of duplicate certificates to veterans who planned to enter University; the issuing of certificates monthly to graduates of the Tutorial Schools for veterans; the issuing of letters of equivalent standing based upon successful completion of certain technical courses taken in the services; and the evaluation of educational standing for applicants for admission to Training Schools for Nurses.

These additional tasks, particularly those concerned with the rehabilitation of ex-service men and women, have been performed gladly, although with considerable strain upon the resources of the staff.

### Student-Aid

In 1943 a programme of financial assistance was inaugurated in Ontario for students of adequate ability who, because of the lack of sufficient funds, were unable to complete their formal education. Since 1944 the awards available under the programme have been announced as Dominion-Provincial Student-Aid Scholarships and Bursaries in virtue of an agreement reached with the Dominion Department of Labour whereby the Dominion government agreed to assist the province financially in the programme. The awards are cash grants paid directly to successful applicants to help defray the cost of their education. When an award is made, the only conditions entailed upon a recipient are regular attendance at classes and diligent application to the course of study in which he is engaged. As the name indicates, the programme comprises two distinct types of awards—Student-Aid Scholarships and Student-Aid Bursaries—and the conditions governing the two types of awards are appropriate to the purpose that each type is intended to fill.

Each year every county and territorial district in Ontario is allocated a definite number of Student-Aid Scholarships based on a consideration of their population and the enrolment in the higher grades of the secondary schools. The three classes of Scholarships available provide for attendance at the Ontario Normal Schools, the first year of courses in Universities and affiliated colleges in Canada or the last year of courses in the secondary schools. Applications for the awards are required to be submitted to the Department before the end of June. Each application must be supported by the school principal and by at least one teacher on the staff familiar with the applicant and his work. The applications are reviewed in August by the Special Revising Board and the Committee of Award, and applicants are advised early in September of the results of their applications. Each class of Scholarship has a fixed value, and the awards are paid in two equal instalments, the first in October and the second in January.

The Scholarships allocated under the programme are intended for students whose need of financial assistance is clearly established and who have reached a minimum standard of proficiency in their examinations. This minimum standard has been set at 66 per cent. which, in the opinion of the Committee of Award, will exclude students who might not succeed in the courses for which the Scholarships are provided but, on the other hand, will not exclude students of adequate ability by requiring them to attain an unreasonably high standard of achievement in examinations. The awards, therefore, are not provided solely for students of exceptional scholarship—they are provided for students, in financial need, who have sufficient ability to profit by further education.

The financial assistance made available in the form of Student-Aid Bursaries is a complement to the Student-Aid Scholarship programme. University Student-Aid Scholarships provide for attendance during the first year only of courses in Universities and affiliated colleges; students who maintain an acceptable standard of proficiency may apply for Student-Aid Bursaries each year that financial assistance is required. An application for a Bursary, therefore, is not considered until the applicant is actually enrolled in his course. Each applicant is required to give an account of how he occupied his time during the vacation period. If at all possible, he is expected to engage in remunerative employment for at least part of this period to help finance his further education. The Committee of Award does not look with favour upon an applicant who was not gainfully employed during vacation unless, of course, he has a valid reason. Each applicant must indicate in his application the amount of money earned and saved

during his employment as well as other funds he has on hand to meet the expenses of the school year. If the application shows that the applicant will not have sufficient funds to complete the year, the Committee of Award will recommend a Bursary, the value of which will depend on the applicant's financial status (provided, of course, that he has obtained the minimum required standard on the examinations of the previous year). The Committee, therefore, adheres to a policy of awarding University Student-Aid Bursaries only to those applicants who give evidence of good faith by a reasonable effort to finance their own education. At the same time, it is to be pointed out that Bursaries are not restricted to applicants who were awarded Student-Aid Scholarships for their first year at University—all students in financial need, who meet the required academic standing, are eligible for consideration.

In addition to the assistance provided for students in the second and succeeding years of courses in Universities and affiliated colleges, Bursaries are also available to students enrolled in the Ontario College of Education, the Normal Schools, and the Ontario College of Art. With the exception of the Ontario Normal Schools, the academic requirements for entrance to these institutions are not based directly on the Grade XIII examinations. Consequently, applications are not considered until December, at which time the heads of the institutions will be able to estimate the proficiency of applicants on the basis of their work from the opening of the term in September until the applications are submitted in December. In the case of the Normal Schools, where Scholarships are also provided, Bursaries are made available in view of the serious shortage of elementary school teachers.

The following table gives a summary of awards made under the programme since its inception in 1943:

School Year	Class	Value of Awards*		Number Awarded	Total Amount Awarded
		Resident	Non-Resident		
1943-1944	Scholarships:				
	University	\$200.00	\$100.00	101	\$33,500.00
	Normal School	125.00	200.00	38	7,200.00
	Grade XIII	100.00	100.00	53	5,250.00
				<u>192</u>	<u>\$45,950.00</u>
1944-1945	Scholarships:				
	University	200.00	400.00	141	\$49,000.00
	Normal School	125.00	200.00	40	7,475.00
	Grade XIII	100.00	100.00	86	8,400.00
	Renewals of 1943 Univ. (First Year) Scholarships	200.00	400.00	58	20,400.00
	Bursaries:				
	University	400.00	400.00	200	43,018.00
	Normal School	200.00	200.00	39	5,705.00
	Ont. Coll. of Art	300.00	300.00	1	200.00
	Ont. Coll. of Ed.	300.00	300.00	1	250.00
				<u>566</u>	<u>\$134,448.00</u>
1945-1946	Scholarships:				
	University	200.00	400.00	161	\$58,000.00
	Normal School	175.00	250.00	60	14,575.00
	Grade XIII	100.00	100.00	168	16,550.00
	Bursaries:				
	University	400.00	400.00	204	42,440.00
	Normal School	200.00	200.00	29	3,950.00
	Ont. Training Coll. for Tech. Teachers	250.00	250.00	1	100.00
	Ont. Coll. of Art	300.00	300.00	3	650.00
	Ont. Coll. of Ed.	300.00	300.00	6	1,150.00
				<u>632</u>	<u>\$137,415.00</u>

\*In these two columns the value of Scholarships is the actual value of the award; in the case of Bursaries, the value is the maximum amount available.

### Summer Courses

Departmental Summer Courses provide for teachers an opportunity to improve their professional qualifications and to fit themselves for more responsible positions. Through attendance teachers may refresh their knowledge of special subjects, acquire new skills and become acquainted with the latest development in educational content and method.

During the war the courses were necessarily limited in number and designed chiefly to meet wartime emergencies. Commencing in 1945, most of the usual courses were re-established.

The enrolments as follows for the past two years, while not yet reaching pre-war numbers, do nevertheless serve to indicate the increasing interest of teachers who are anxious to improve their qualifications:

	1945	1946
Agriculture .....	87	104
Art and Crafts .....	144	344
Audio-Visual Aids .....	...	33
Auxiliary Education .....	127	101
Commercial Subjects .....	99	127
Guidance .....	150	230
High School Assistant's .....	80	85
Home Economics .....	56	118
Industrial Arts and Crafts .....	133	172
Music .....	327	432
Oral French .....	27	28
Physical and Health Education .....	145	228
Primary Methods .....	168	258
School Librarianship .....	...	22
Vocational Courses .....	43	45
Refresher English .....	...	65
Refresher History .....	52	25
Refresher Latin .....	28	29
Refresher Science .....	34	15
High School Principals' Refresher .....	62	...
Total .....	1,762	2,461

### Interchange of Teachers

Interchange of teachers has been found to be very helpful, not only in developing interprovincial unity and Empire solidarity, but also in bringing to our schools many of the new ideas in education elsewhere. Interchange was greatly curtailed during the war years, being limited to a few interprovincial exchanges.

Interchange with Great Britain has now been resumed. During the school year 1946-47, twenty Ontario teachers were on exchange to Great Britain and seventeen to other provinces.

C. A. BROWN,  
*Registrar.*

Toronto, September 12, 1947.





*Photograph by Gilbert A. Milne*

These student-teachers at the summer course in art and crafts are rehearsing a puppet play. The Department encourages the use of puppetry in both elementary and secondary schools. Puppetry is considered an excellent teaching device since it involves not only group co-operation but also practice in written and spoken English, functional mathematics, music, art and crafts. Many students write original plays for puppet shows, while a few compose original music for them. Figures, costumes and stage sets for the puppet shows are always original.



## ART

---

### A Province-Wide Survey

A survey of art education in the schools of this province was begun in 1944 and was continued until the close of the school year, 1945-46. Upon completion of the survey, a 200-page report was prepared and submitted to the Chief Director of Education.

The report opens with a brief outline of the history of art in the schools. This is followed by a chapter describing developments in art education elsewhere, so that the progress made here may be compared with that in other parts of the world. The third chapter gives an account of the survey which was made in a number of provincial schools. Chapter four describes an experimental programme of art supervision and in-service education of teachers of art which was organized while the survey was in progress. The closing chapter offers recommendations for the improvement of art education in Ontario.

### Trends in Art Education in Ontario

A number of trends in art education in this province are becoming more clearly defined.

- (i) There is greater provision for creativeness in all activities and for all participants. The belief is gaining ground that every child is capable of producing work which is original. Former teaching techniques which relied upon copying are tending to disappear.
- (ii) Methods are being used in the classroom by which skills may develop through activities which engage the intellect and emotions of the learner. Teachers appear to be eliminating drills to develop skills, and instead are relying upon activities which are capably motivated and carefully selected according to the interests, abilities and life experiences of children.
- (iii) Provisions are being made for the learners to enjoy freedom of thought. The "step-by-step" form of art instruction is beginning to disappear, and in its place is found a methodology placing problems before pupils. These problems are solved largely through the guided efforts of the children themselves.
- (iv) Art is being fused with other subjects on the curriculum and with other life experiences of children. It is being increasingly realized that art cannot exist as a separate subject, but that it must be related to the varied experiences which children enjoy. The fusion of art with these experiences not only tends to create more vigorous expression in art, but also appears to increase general learning in the other subject fields.
- (v) Greater stress is being placed upon elevating the taste of the learners. Stress is being placed upon excellence of design used in the art programme. This is particularly noticeable in picture-making, where children are fusing the elements of design into more vigorous compositions. It is apparent also in some of the craft work, where a more



*Photograph by Gilbert A. Milne*

Here student-teachers at the summer course in art and crafts learn methods of correlating art and music. The students are making abstract patterns as the music plays. Later they will attempt to incorporate literary themes from music into more "realistic" designs. The freedom developed in the abstract forms will be maintained, however, in the "realistic" work. Some students make murals based upon operas and ballets.



*Photograph by Gilbert A. Milne*

These student-teachers at the summer course in art and crafts are putting the finishing touches to an "enterprise". An "enterprise" is a teaching method which arises from a problem requiring considerable research to solve. Here the problem is based upon "safety". Research included safety in the home, at play, on the street, and at school. The Department stresses the use of the "enterprise" in our schools in the belief that children should learn to do research and should, as far as possible, base their research upon practical problems which appeal to them. Facts and skills are acquired most efficiently this way, since the learning of them has real meaning for any child.

functional point of view is being adopted. The unfortunate oddities of design seen formerly, such as table-lamps looking like lighthouses or pumps, or mirrors looking like ships' wheels are tending no longer to be upheld by teachers as being worthy items of art appreciation and production.

- (vi) Art education is increasingly being used to relate the individual to his social group. The subject of art is frequently used to draw children together into democratic groups. For this purpose puppet shows, shadow plays, mural-making, and the like are being employed to a much greater extent. Stress is also being given to design in the community. Several examples of local town-planning may now be observed in the schools.



*Photograph by Gilbert A. Milne*

This unit of work at the summer course in art and crafts illustrates some of the recent trends in art education in the schools of Ontario. Puppetry and town planning shown here are group activities in which children learn to co-operate with their fellows, and to fuse their individual ideas and talents with the work of a group. No patterns for the designs are supplied, since it is believed that to use patterns in the classroom interferes with thinking. Paper sculpture in the foreground is being made for table decorations at a coming banquet.

#### Field Work

During the past school year, the Director of Art has done considerable field work in 16 public and separate school inspectorates throughout the province. This field work has included the giving of talks and demonstrations to teachers and to children, the conducting of short workshops for teachers, and the holding of conferences with inspectors.

#### The Normal Schools

The Director of Art visited each of the eight provincial normal schools in each of which he spent several days lecturing to the students.



### Bulletins

Five bulletins dealing with art education were issued to approximately 1800 provincial schools during the past school year.

### Summer Courses

The summer courses in art and crafts appear to be having a marked effect upon art education. The technique of administration of the summer course was based upon the educational workshop. Students were allowed to select work from 30 optional units. These units included all manner of art and craft work, such as silk-screen printing on paper and textile, wood carving, oil painting, metal work, textile printing, life drawing, puppetry, stage-craft, and so on. Much attention was given to pedagogy in all the work units offered.

C. D. GAITSKELL,  
*Director of Art.*

Toronto, August 16, 1947.

## AUDIO-VISUAL EDUCATION

---

### Radio Broadcasts

The Department of Education presented a programme of seventy-five educational broadcasts to elementary and secondary schools in the province. During the year, a survey of the effectiveness of the broadcasts in the secondary schools was completed. The questionnaire revealed that approximately 40% of these schools were using the broadcasts, and that others were planning to do so when new receiving sets became available. Reports from elementary schools indicated a fairly wide utilization of the broadcasts prepared for their benefit.

It is of interest to note that part of this Departmental programme, a series on Shakespeare's Julius Caesar, was given a First Award in the Regional Classification for a Secondary School Broadcast at the 10th Annual Exhibition of Educational Radio at Columbus, Ohio. The series was commended as "a programme of outstanding educational value and distinguished radio production."

### Film Utilization

The use of educational films during 1946 showed an increase over the previous year. Sound and silent films were shown to a total audience of 3,726,124 students. Approximately one hundred and fifty schools reported the purchase of a sound projector during the year. A slight decline in the use of our slides was evident.

### Filmstrips

The use of filmstrips is receiving increased attention, as good material is now becoming available. Our Branch has not distributed this type of visual aid to schools, owing to its cheapness and the need for easy accessibility. Leadership is being given in making available to all schools pertinent information concerning sources, prices, and general usefulness of this material.

### Teacher Training

In order to familiarize teachers with Audio-Visual Aids and approved techniques in their use, and to offset the tendency to accept movies and broadcasts as forms of entertainment rather than as instruments to enrich the educational experience, an Audio-Visual Aids Course was offered by the Department of Education in July, 1946. Valuable experience in the selection, evaluation, and utilization of Audio-Visual materials was gained.

In order to improve the in-service training of teachers, Audio-Visual Conferences were conducted in several specially selected areas. Afternoon and evening sessions were held with demonstration lessons using films, filmstrips, and radio broadcasts. Suggestions for the selection and care of equipment were given, and general utilization techniques were illustrated.

J. W. GRIMMON,

*Director of Audio-Visual Education.*

Toronto, June 28, 1947.



## GUIDANCE

---

I have the honour to submit herewith the report of the Guidance Branch for the year ending December 31, 1946.

As the fundamentals of the guidance programme are gradually being established and many teachers have obtained training, schools have this year been able to extend their organization considerably. As the practical nature of Guidance is being recognized by students, parents, and teachers, progress is more rapid.

Experience is demonstrating that an adequate service can be provided with a ratio of one teacher's time-table to each five hundred students. Many of the larger schools are moving toward that objective. While the Grade IX course in Occupations (two periods a week) is still the only obligatory part of the programme, many schools are providing additional group work in later grades, most commonly in Grade XII. Increasingly schools are realizing that group work alone does not make a guidance service, that individual counselling is the most important feature of Guidance, and that therefore a careful study of the individual pupil and an adequate system of records are essential. An increasing number of schools are providing the time, space, and privacy necessary for effective counselling, as well as assistance to do the clerical work.

Occupational and educational information is improving in quality, quantity, and form. A good deal of authoritative Canadian information of outstanding value is now available in the form of pamphlets, books and films. In addition to the classes in Occupations, other means of making information available to students are being used, such as files of occupational and educational information, guidance libraries, films, talks from outside speakers, service club counselling, careers programmes, and supervised work experience.

Progress toward a full programme varies greatly from one locality to another, depending on time available, training, and local conditions. Placement and follow-up must eventually be included, but in most centres this phase of the work is the last to be attempted.

The need for guidance work in the elementary schools is being recognized and the demand for it is growing. The work there differs in emphasis from the secondary school programme, being educational and remedial in nature, with Vocational Guidance introduced in the senior grades. The first tasks in the elementary schools seem to be as follows: (1) the study of individual pupils and the recording of all pertinent information in suitable form; (2) a study in Grades VII and VIII of educational opportunities and the relation between school and the world of work; (3) the development of each student to the limit of his abilities; (4) the preparation of each student for entry into and for success in the secondary school, with a minimum of disturbance to his progress.

Many elementary schools in the urban centres have undertaken considerable work in guidance. The results have been very encouraging and point to the time when guidance, through trained workers co-ordinating the programme, will become an integral part of education in the elementary schools.

During the year there was a marked increase in the number of letters received from teachers, pupils and parents. This has been encouraging because it indicates a desire to secure accurate and up-to-date information on which decisions may be based. It is extremely difficult for principals and teachers to have always on file all the information which may be requested by pupils and parents. Therefore the supplying of this information when it is requested is proving to be a real service to the schools.

The most pressing need in guidance work continues to be trained workers. A total of two hundred and thirty teachers attended in 1946 the summer courses leading to the Elementary and Intermediate Guidance Certificates. Ninety veterans availed themselves of the extramural Elementary course provided for ex-service personnel. While there is a concentration of trained workers in the larger schools, a considerable number of High Schools have someone with training. Few Continuation Schools have a trained teacher-counsellor. For that reason, the work there must continue to be largely informal in nature. However, with additional supervision and improvement in available material and information, the value of this informal work is increasing.

The Vocational Guidance Centre continues to be an invaluable means of distributing occupational information, tests, and other materials necessary to the work. The monthly paper, *The School Guidance Worker*, goes free to every secondary school and provides regular contact with those interested.

A third series of five half-hour radio broadcasts in Guidance was presented by the Department of Education in co-operation with the Canadian Broadcasting Corporation over a network of Ontario stations. Valuable and gratifying comments were received from the schools and the general public.

Mr. K. M. McIntyre was appointed Assistant in the Guidance Branch and assumed his duties January 1, 1946. His training in Psychology and his experience as a principal and in Army Personnel Selection qualify him to give valuable service.

Visits were made to most secondary schools during the year to assist in setting up or extending guidance programmes which will meet the needs of the school and community.

At the end of the second year, it is gratifying to note that the plans set forth when the Guidance Branch was established have proved serviceable. Progress has been more rapid than was anticipated. The practical nature of the work done has brought a sympathetic response from school administrators, teachers, parents, and the public. There is growing understanding that guidance is not dictation, but rather, practical help to the individual student in evaluating his abilities and opportunities, in gathering information about the educational and occupational world, and in making intelligent decisions regarding training and life work. Further progress waits not so much upon public acceptance as upon trained workers.

H. R. BEATTIE,  
*Director of Guidance.*

Toronto, May 14, 1947.

## MUSIC

### Extent of Music Instruction in Schools

#### *Elementary Schools*

The following statistics show the percentage of classrooms in the Elementary schools of Ontario providing a regular course in music, under the supervision of qualified music teachers. The figures are for the school year, and are based upon reports received from Inspectors.

	1945-6	1946-7
Cities.....	100 $\frac{7}{100}$	100 $\frac{7}{100}$
Counties.....	77.7	79.9
Districts.....	58.8	58.2
R. C. Separate (English).....	48.3	60
TOTAL.....	<u>77.78</u>	<u>79.35</u>

French-speaking schools, under the personal direction of Joseph Beaulieu, Mus. Bac., Assistant Provincial Director of Music, show satisfactory progress. Many urban centres have appointed Music Supervisors, and in 75  $\frac{7}{100}$  of both urban and rural schools music is being regularly taught.

#### *Secondary Schools*

The number of Secondary Schools offering a course in music is as follows:

Schools	Total No. of Schools	Music Grade IX	Music Grade X	Music Grade XI	Music Grade XII	Music Grade XIII
Collegiates.....	71	65	34	19	18	6
High.....	168	124	59	21	15	5
Continuation.....	177	109	69	23	14	0
Vocational.....	24	19	11	9	7	0
TOTAL.....	450	317	173	72	54	11
Percentage.....		72	39	16.5	12.5	2.5

Music organizations in Secondary Schools included Orchestras 98, Bands 34, Bugle and Pipe Bands 63, Choirs 245. Forty-six operettas were presented during the past year.

#### Music Teachers

The number of certificated music teachers and supervisors reported as being engaged full or part time in the schools during 1946 was as follows: in Elementary Schools, 762; in Secondary Schools, 233. Many teachers listed under Elementary Schools also teach part time in Secondary Schools.

#### Summer Courses

Nine different courses in Music were offered from July 3 to August 7 at Jarvis Collegiate Institute, Toronto. The total enrolment was 432 in 1946, compared with 327 in 1945.

#### Normal Schools

In the eight Provincial Normal Schools, music is taught to all students. While much time must still be spent in teaching the subject matter of music, there is a marked improvement in the attitude and ability of the student teachers, due to the Province-wide acceptance of music as a school subject.





*Courtesy Globe and Mail*

Section of Provincial Elementary School Choir, Massey Hall, Toronto



*Courtesy Globe and Mail*

Section of Provincial Secondary School Orchestra, Massey Hall, Toronto

### Matriculation Music

Music is one of the optional subjects in Grade XIII. Students may obtain standing by (a) submitting certain certificates from the Toronto Conservatory or other accredited examining bodies, or (b) attending a school course, if one is offered. It is impossible to state how many hundred students submitted certificates under (a) in 1946. The school course (b) was offered in four schools and fifty pupils wrote the Grade XIII Music examination in 1946. Corresponding numbers were 22 in 1944 and 33 in 1945.

### Music Festivals

Music Festivals have been encouraged as a means of motivating class-room work, establishing standards of performance, and stimulating public interest. The number of festivals held during 1946 was approximately 125, and the number of pupils participating is estimated at 50,000.

### Sound Films

The Department Library now contains 23 subjects dealing with music. The music films are among the most popular in the library.

### Radio

During January, February and March the Department, in co-operation with the Canadian Broadcasting Corporation, presented three series of Music broadcasts over a Province-wide network, i.e. "Junior School Music" - 10 fifteen-minute programmes for Grades I to VI; "Music for Young Folk" - 10 thirty-minute programmes for Grades VII to X; "Secondary School Concerts" - 3 sixty-minute programmes by the Toronto Symphony Orchestra. For all these broadcasts, the commentary was prepared and given by the Provincial Director of Music. The estimated audience was 100,000.

### Evening of Music by the O. E. A.

The Department co-operated with the Ontario Educational Association in presenting an evening of Music in Massey Hall on April 24th. This took the form of a cross-section of music in Ontario schools, and presented soloists and groups representing every activity carried on in the music programme. A special feature was a chorus of teachers from the Music Section.

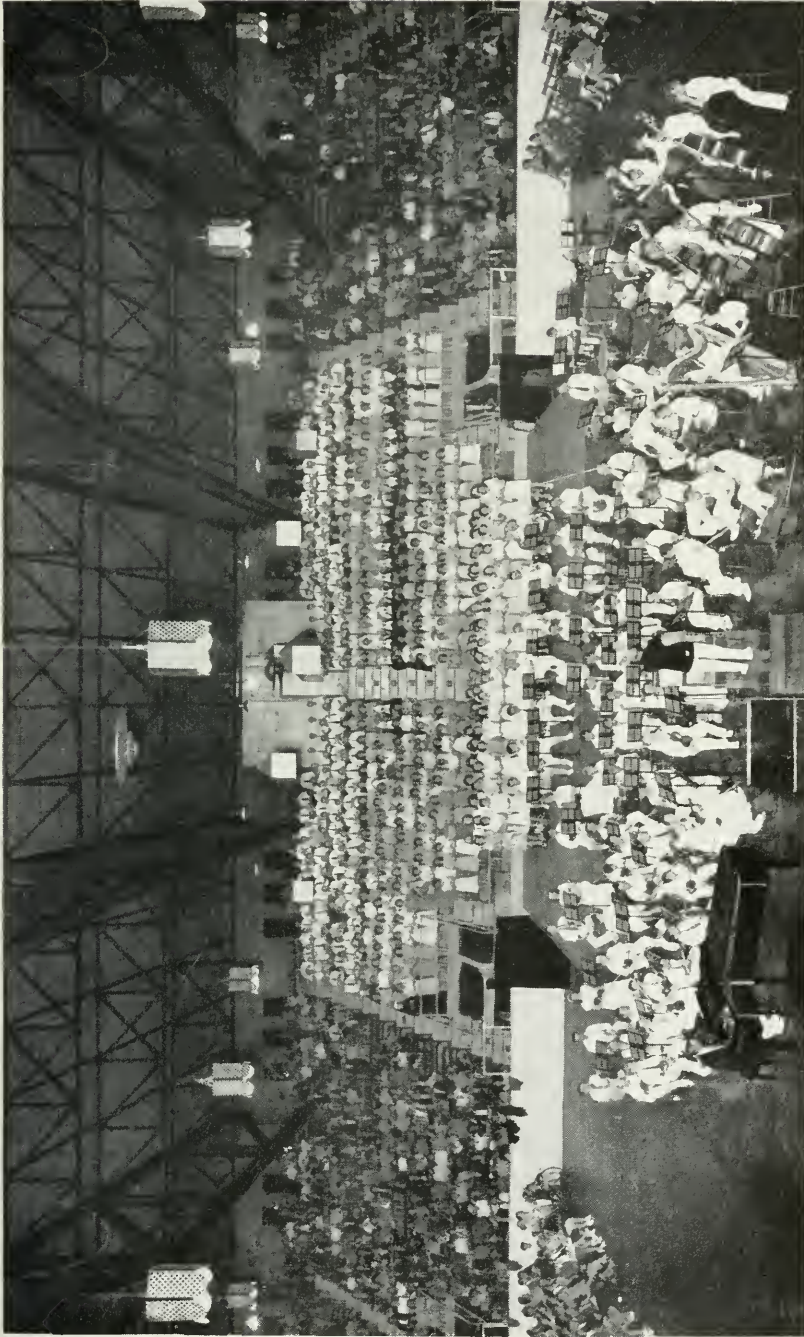
### Scholarships

The Junior Leagues of Hamilton and Toronto offered four music scholarships of the value of \$200 each to pupils in Grades IX and X. Officials of the Music Branch collaborated with officers of the Junior Leagues to circularize schools and to give auditions to nominees. Awards were made to pupils in Port Arthur, Hamilton, Niagara Falls and Elmira.

### Concert Series

During the fall term, 56 concerts in 15 centres were sponsored and subsidized by the Department. 40,000 persons attended at Sudbury, Port Arthur, Port William, North Bay, Kirkland Lake, Orillia, Barrie, Lindsay, Peterborough, Smith's Falls, Brockville, Cornwall, Kitchener, Guelph, Brantford and Sarnia. The audience consisted mainly of Secondary School pupils who paid an average price of 30¢ per ticket. The cost to the Department was \$5,800. The series not





*Courtesy Globe and Mail*

Teachers' Chorus, Summer School of Music, Varsity Arena, Toronto, July 1947

only brought good music to places far distant from the larger cities, but gave an opportunity for some 25 young Ontario artists to acquire platform experience and to build reputation. The press gave a great deal of very favourable publicity and comment.

### Publications

The following literature was prepared by the Music Branch:

Carols of Christmas  
Memorandum relating to the Teaching of Music  
Music in Rural Schools (revised)

### Field Activities of the Director of Music

Music Festivals adjudicated.....	31
School Concerts attended.....	10
Teachers' Meetings attended.....	13
School Assemblies addressed.....	6
School Board Meetings attended.....	4
Service Clubs addressed.....	15
Broadcasts.....	23
Interviews with Inspectors.....	44
Schools inspected—.....	57
Secondary.....	8
TOTAL.....	65

### Field Activities of the Assistant Director of Music for Secondary Schools

Continuation Schools visited.....	68
High Schools visited.....	91
Collegiate Institutes visited.....	45
Vocational Schools visited.....	30
TOTAL.....	234
Total (including repeat visits).....	255
Music festivals attended.....	18
Service Club addresses.....	17

### Field Activities of the Assistant Director of Music for French-Speaking Schools

Schools visited.....	58
Total visits (including repeat visits).....	131
Visits to Normal School.....	1
Inspectors' Conventions.....	1
Radio Broadcasts.....	2
Festivals attended.....	2
School Concerts attended.....	12
Public addresses.....	15
Concerts with Boys' Choirs.....	27
Lectures and demonstrations for teachers.....	32
Interviews with Inspectors.....	31

Respectfully submitted,

G. R. FENWICK  
*Director of Music.*

Toronto, April 22, 1947.

## PUBLIC RECORDS AND ARCHIVES

---

During the past year, the work of this Department has increased very much. This was, of course, to be expected as part of the post-war readjustment. Both searches here and enquiries by mail have been more numerous and the information given has covered a wide field of subjects. We are pleased to report that the Department of Planning and Development has been making extensive use of our material along various lines.

The staff is always busy preparing material for use by the public. For instance, during the past year the indexing of the Church Records of St. Andrew's Church, Williamstown, Glengarry County, 1779-1914, the first Presbyterian Church in Upper Canada, was completed. It is estimated that over 16,000 cards were used.

Historians are becoming more and more aware of the value of county records and some county clerks, realizing the importance of the old papers in their possession, are anxious to have them preserved. To the County Council of the United counties of Leeds and Grenville we are indebted for county records covering nearly a century, 1832-1925. These were transferred to the Archives last summer and are being arranged chronologically as the first step in making them available to the public.

A start has been made on the checking and indexing of our thousands of Land Papers. This will take some time but will make these valuable records of much greater use to historians and others.

Further correspondence of the Ontario Library Association has come to light and has been incorporated in the previous group.

An interesting request was received from M. A. Gerard, Professor of History and Geography, Marcinelle (Charleroi), Belgium, for six of our Reports, to be used in a course of lectures on Canada. "J'ai choisi ce sujet parce que j'ai connu pendant la guerre à Bruxelles plusieurs soldats Canadiens qui m'ont beaucoup vanté leur beau et grand pays. De plus, ici en Belgique depuis la guerre, l'opinion publique s'intéresse beaucoup au Canada parce que vous avez été nos libérateurs." We were very happy to send these volumes.

Prof. G. W. Simpson, M.A., Professor of History, University of Saskatchewan, visited this Department last spring. Having recently been appointed Provincial Archivist, he wished to see our methods of handling material and expressed great interest and approval of our system. The idea of our historical exhibit appealed to him very much as he thought such aid to the teaching of history could be used to great advantage in his province, particularly for the rural schools.

### Historical Exhibit

It had been hoped to extend this service but restrictions on labour and material have not yet made this possible. The following are some comments from teachers who have had the use of the exhibit this year:



St. Marys Collegiate Institute:

I wish to express my appreciation of this material. It has served to stimulate considerable interest among pupils of Grades X to XIII. Several pupils brought in old documents, including a Crown Patent of 1830, similar to the one in the exhibit but on parchment.

I am sure my students would appreciate the opportunity to see another exhibit next year. . . . Kindly put our school on your list for any future exhibits.

Renfrew Collegiate Institute:

We assure you that this exhibit was much appreciated by the history department and was the subject of two or three history periods which, we are sure, served to give the pupils a far more vivid impression of various phases of life in early Ontario than mere text book treatment of the subject . . . and send herewith our hearty appreciation of your service.

Delhi High School:

Our History classes thoroughly appreciated your exhibit last fall. . . . Many of them enjoyed the newspaper of William Lyon Mackenzie with its variety of ads.

Havelock Technical High School:

All the students have seen this exhibit and were quite intrigued by it. The newspaper seemed to attract most of them. The poster stood second in acclaim. The writing on some of the manuscripts was also of interest to them and possibly was an incentive for them to improve their own penmanship. Again my appreciation for sending us the exhibit. If you have any more, I should be glad to have them after the New Year.

Belleville Collegiate Institute and Vocational School:

This exhibit was valuable and much appreciated by our classes. We appreciated this service very much. Is this the only display you send out to schools? We should like to have the same display a year or two later, or another one next year. Thank you!

Brantford Collegiate Institute and Vocational School:

In my opinion the exhibit was quite worthwhile and we received a great deal of benefit from it. It provides another means of stimulating an interest in history. The students seemed to show considerable interest, particularly after I had told them something about it. Students and teachers from other forms visited the room after four o'clock each night. If you are contemplating sending more exhibits in the future, I would greatly appreciate receiving some of them.

London Central Collegiate:

The pupils were very much interested in it (the exhibit), both boys and girls, and the librarian noticed they enjoyed the newspaper and coach advertisement most of all.

Wheatley Continuation School:

The students were quite interested especially Grade XIII, which is more capable of understanding the significance of such. I think the exhibits helpful and hope that others will be available. They often show to youth, which takes so much for granted, the contrast of earlier and modern history and life.

### Acquisitions

Albion, N.Y., The. Volume 45, 1866.

Arthur, A. J., Midland: Certificate re payment of subscription to Superannuated Teachers' Fund, for half year ended June 30, 1878, addressed to Harry Palk, P.S. teacher, Hillsdale, October 8, 1878.

Atkins, John, Bracebridge: Pamphlet: A Farmer Looks at Factories.

Campbell, Mrs. W. F., Toronto: Bound copy of The Daily Leader, Toronto, August 1st to November 5th 1855.

Clarke, C. D., Vancouver: Five copies of the Millbrook Messenger, 1875-1876, and the Markham Sun, September 10, 1885.

Clarke, Mrs. Rose E., Detroit: Packet of miscellaneous papers of the late Hon. Charles E. Clarke, formerly Speaker of the Legislative Assembly of Ontario.

Education Department Files: Those for 1842-1856 have been transferred to this Department. This is only the beginning. There are many more to follow.

- Glenney, Miss Vera, Toronto: Two pamphlets on the Orange Order, 1856; four Teachers' Certificates, 1851-1869; and a sketch of Andrew James Glenney, Little Britain.
- Hamilton, Miss Myra, Toronto: Thirty-nine volumes of the University of Toronto Monthly, 1907-1946.
- Harkness, John G., K.C., Cornwall: History of Stormont, Dundas and Glengarry, 1784-1945.
- Harvey, Dr. D. C., Nova Scotia Archives: Report from surveys of part of the Georgian Bay, made in 1851 and 1852, for the purpose of selecting a harbour or terminus for the proposed St. Lawrence and Lake Huron Railway.
- Jarrett, Fred, Toronto: Packet of papers from the Court House, St. Catharines.
- Leeds and Grenville, United Counties of: Seven large cartons of county records, 1832-1925.
- Legislative Library, Toronto: Coloured engraving of Niagara Falls, 1833.
- Mathews, Mrs. Hazel, Oakville: Letter from Sir John Colborne, Headquarters, Montreal, to the inhabitants of the Township of Trafalgar, acknowledging their letter approving his actions during his administration, March 24, 1836.
- Municipal Affairs, Department of: Packet of documents, re Township of McNab.
- Park, B. C., Toronto: Certificate authorizing Alex'r McKee to teach in the Townships of Esqucing and Trafalgar, November 15, 1854.
- Patterson, The Rev. R. B., Toronto: Sketch of One Hundred Years of Church Life in Cannington Parish, All Saints' (Anglican) Church.
- Perth and Waterloo Gazetteer and Directory, 1870-71.
- Royal Ontario Museum: Collection of 89 large photographs of public buildings in Ontario, schools, institutions, court houses, &c., most of them built in the '70's.
- Smith, F. P., Kingston: Return of the Clerk of Elizabethtown for 1856 and "The Argus", Kingston, April 9, 1862.
- Smith, Miss Gertrude, Hamilton: Scrap Book, "Pioneer Life"- the story of Damaris Isabella Smith (Mrs. Sylvester Conrad Smith), Stoney Creek, 1831-1913.
- Talman, Dr. J. J., London: Notice from Daniel Lizars, Clerk of the Peace, Huron District, Goderich, re conduct of travellers on highways of the province, January 19, 1846; History of the First Woodstock Baptist Church, 1892.
- Tomlinson, Miss A. T., Toronto: Two photographs of Yonge Street, taken on Pretoria Day, 1900.
- Upper Canada map, by David Wm. Smith, 1800.
- Wallace, W. S., Librarian, University of Toronto: Packet of papers, re H. J. Boulton, 1792-1860.
- Wentworth County & Hamilton City Directory, 1865-1866.
- Willison, Mrs. Walter, Toronto: Box of miscellaneous papers belonging to the late Sir John Willison.
- Young, Mrs. George, Toronto: many copies of "Queen's Quarterly", to help complete our series.

H. McCLUNG,  
*Provincial Archivist*

June 3, 1947.



## PUBLIC LIBRARIES

---

It is with a feeling of some encouragement that I am able to report signs of improvement in our public book service during 1946. This improvement will not be evident in the statistical tables appended since the tables cover the operations of public libraries during the year 1945, before the adoption of the new regulations.

To those who have faith in the people and who believe, among other things, that the people generally will make intelligent use of public library service if it is provided for them in effective form, June 4th, 1946, will long continue to be a significant day. It was on this date that the new regulations for public libraries were approved and it is from this date, I believe, that we enter a new era in the development of a service essential to all education and to adult education in particular.

The intention of the new regulations is to stimulate public library service by offering library boards the opportunity to earn very much larger legislative grants than ever before. Increased grants will be earned on the basis of improved service to the public and will not be merely handed out to those libraries which make no effort towards improvement. For the free public libraries the main item governing grants is that by which a percentage of the municipal tax levy is returned to the community. This is not intended to reduce the amount spent locally on the public library but to encourage (without in any way compelling) more generous municipal support. In the past, municipal support of the public library has been, except in a few instances, wholly insufficient. It has represented only an infinitesimal part of general expenditures.

The item next in importance is that which establishes certification of those librarians who have taken qualifying courses. Certification is offered in five classes with appropriate grants based on each. It is not made compulsory, but courses are now being organized for those librarians who have not qualified and it is expected that within two years all librarians now in charge of libraries within the province, down to those operating the very smallest, and those on a part-time basis, will have had the chance to qualify in a course suited to the need of the library.

In these two main respects, therefore, the new regulations strike directly at the factors which have been responsible for the unsatisfactory state of our free public libraries, namely, inadequate financing and an insufficient number of librarians trained in their work.

During 1946 the shortage of professionally qualified librarians has become acute. All the large and medium-sized libraries are short-handed, some of them almost desperately so, while some of the smaller libraries which would ordinarily employ certificated librarians are operating with unqualified people. This situation is due partly to conditions engendered during the war, but chiefly to the fact that for many years the salaries offered were so inadequate to the training required and the responsibilities demanded, that a wholly insufficient number of university graduates were entering the profession. With the adoption of certification and its con-

comitant grants, however, boards are now in a position to offer more attractive remuneration. Library school registration is at a maximum, but it will probably be several years before the problem of qualified personnel will be satisfactorily overcome.

In spite of the financial and personnel handicap under which they have laboured, a number of the libraries have made distinct advances in the use of new material. Film collections have been established, which, used in connection with the programmes of local organizations, appear to have had a good deal of influence on the use of books of a directly educational nature. Collections of recorded music have received increasing attention. Loans of original paintings have been secured from various sources which, attractively displayed, have done much to stimulate general interest in art, its history, and the lives of those who have made notable contributions to it. In places in which there is no local art gallery this service is of untold importance.

I have mentioned these special services, not so much because of the interest being shown in them by a number of libraries, but rather because their adoption stresses the fact that the well-organized public library, in the face of great obstacles, is more and more tending to become the cultural centre, not merely the book centre, of the community. I must add, however, that this trend probably does not apply in the very large cities where art and music already have their own centres.

One more county library co-operative was organized (in Welland County) during the year. The work of these co-operatives continues to expand, and I cannot speak too highly of the initiative and far-sightedness with which so many of our county people are developing and spreading intelligent book service in their areas. No observer could help but be impressed by the quality of the reading material which is being offered to—and absorbed by—the farm and village communities through these county agencies.

## DEPARTMENT OF EDUCATION

### Travelling Libraries

Annual Report for the Year Ending December 31, 1946

#### LIBRARIES LOANED

Public Libraries.....	180
Schools (elementary and secondary).....	1,100
Continuation schools.....	146
Women's Institutes.....	30
Miscellaneous.....	45

Total.....	1,501
------------	-------

Decrease from 1945.....	85
-------------------------	----

#### CIRCULATION

Fiction.....	21,174
Non-fiction.....	10,538
Total Adult books.....	31,712
Juvenile.....	89,474

Total.....	121,186
------------	---------

Decrease from 1945.....	60,584
-------------------------	--------

#### ACCESSIONS

Fiction.....	1,079
Non-fiction.....	696
Total Adult books.....	1,775
Juvenile.....	3,215
Continuation school.....	455

Total.....	5,483
------------	-------

BOOKS DISCARDED.....	713
NUMBER OF BOOKS IN LIBRARY.....	61,885

**Teachers' Library**

Number of Teachers registered.....	3,256
Circulation.....	865
Accessions.....	58
Number of books in library.....	1,280
Decrease in circulation from 1945.....	173

The decrease in circulation can partially be accounted for by the interruption in book purchasing and cataloguing caused by the long illness and subsequent death of the Librarian-in-Charge. Approximately 200 requests for juvenile books remain unfilled in December because the book-stock was depleted.

A. MOWAT,

*Inspector of Public Libraries.*

Toronto, March 28, 1947.

Other statistical data relative to this report may be found on pp. 213-228.

## TRADE-SCHOOLS

---

The Trade-Schools, providing a wide variety of trades and business training, have completed a year in which rehabilitation training of ex-service personnel was at its peak. Accommodation, equipment and staff alike throughout the year were taxed to the utmost and thousands of men and women discharged from the services in World War II have received valuable training in these schools. It is noteworthy that the 'Trade-Schools' total enrolment of ex-service personnel was approximately equal for the year to that of the seven Rehabilitation Training Institutes established throughout the Province. The service, therefore, that our Trade-Schools have rendered in providing the necessary facilities, equipment and staff in the emergency is worthy of recognition.

During the year the Department has recommended many improvements in the accommodation, equipment and staffing of the Trade-Schools. The response has been prompt and gratifying. The number of complaints registered by students claiming misrepresentation at the time of their enrolment or expressing dissatisfaction with the services rendered by Trade-Schools is lower than in any previous year. This indicates that with a few exceptions the Trade-Schools are fulfilling the expectations of the public. It is only fair to add that some of the complaints were found on investigation to be without justification.

The following courses of study are required to be registered under The Trade-Schools Regulation Act:—

- |   |  |
|---|--|
| 1. Advertising  | 21. Landscape Gardening                                  |
| 2. Aeroplane Construction and Operation                             | 22. Machine Shop Practice                                |
| 3. Air Conditioning and Refrigeration                               | 23. Mechanical Dentistry                                 |
| 4. Broadcasting Practice  | 24. Painting and Interior Decoration                     |
| 5. Business and Office Practice                                     | 25. Photography  |
| 6. Civil Service Occupations  | 26. Plastics   |
| 7. Commercial and Industrial Art                                    | 27. Printing and Bookbinding                             |
| 8. Concrete Construction  | 28. Pulp and Paper Making                                |
| 9. Dairy, Poultry and other Farm Work                               | 29. Radio and Wireless Communication                     |
| 10. Detective and Secret Service Work                               | 30. Railway Station Agents and other Railway Occupations |
| 11. Diamond Drilling  | 31. Salesmanship   |
| 12. Diesel and other Internal Combustion Engines                    | 32. Sheet Metal Work                                     |
| 13. Dress and Garment Designing, including Millinery                | 33. Sound Projection and Motion Picture Operation        |
| 14. Electric and Acetylene Welding                                  | 34. Speech and Oratory                                   |
| 15. Foot Correction   | 35. Stationary and Marine Engineering                    |
| 16. Foundry Practice  | 36. Telegraphy   |
| 17. Hand, Machine and Power Machine Sewing Operation                | 37. Television   |
| 18. Hotel Management and other Hotel, Cafe, and Hostess Occupations | 38. Theoretical and Industrial Chemistry                 |
| 19. Industrial and Business Management                              | 39. Theoretical and Industrial Electricity               |
| 20. Journalism and Story Writing                                    | 40. Theoretical and Practical Engineering                |
|   | 41. Woodworking and Cabinet Making                       |

The following schools have been registered during the year 1946 under The Trade-Schools Regulation Act:—

Academy of Radio Arts, Toronto  
 Orillia Commercial College, Orillia  
 Newspaper Institute of America, New York City  
 Port Arthur Business College, Port Arthur  
 Leavens Bros. Air Services Limited, Toronto

Leavens Bros. Northern Limited, Larder Lake  
Leavens Bros. Air Services Limited, London  
Leavens Bros. Air Services Limited, Windsor  
Felt Tarrant Comptometer School, Chicago  
Felt Tarrant Comptometer School, Toronto  
Felt Tarrant Comptometer School, Ottawa  
Felt Tarrant Comptometer School, Hamilton  
Euler Business College, Kitchener  
Campbellford Business College, Campbellford  
Midland Business College, Midland  
Brockville Business College, Brockville  
Kingston Business College, Kingston  
Tillsonburg Business College, Tillsonburg  
Lewis Hotel Training School Inc., Washington  
O'Neill Business College, Chatham  
Park Business College, Hamilton  
Parkhill Private School, Ansonville  
International Accountants Society Inc., Chicago and Toronto  
Sudbury Commercial Institute, Sudbury  
Sarles Business School, Trenton  
Miss MacKinnon's Business School, Ottawa  
Turner's Business College, Hamilton  
Simcoe Shorthand and Commercial College, Simcoe  
Robinson Business College, Waterford  
Alexander Hamilton Institute, Limited, Toronto  
National Business College, Ottawa  
Canadian Institute of Science and Technology, Toronto  
The Jan Chamberlain Studio of Effective Speech, Toronto  
Fort Erie Business College, Fort Erie North  
Agar Business College, Ridgetown  
St. Thomas Business College, St. Thomas  
Galt Business College, Galt  
Bowmanville Business School, Bowmanville  
Burrroughs Adding Machine of Canada Limited, Toronto  
Cassan Systems, Toronto  
Soo Business College, Sault Ste. Marie  
Weller Secretarial College, Toronto  
Avery's Business School, Gravenhurst  
Metzler Business School, Kingston  
Northern School of Commerce, North Bay  
Northern Institute of Technology (Radio College of Canada) Toronto  
Gillies Flying Service, Buttonville  
The School of Commerce, Clinton  
LaSalle Extension University, Chicago and Toronto  
Leslie Business School, Fort Frances  
The Baker Business College, Lindsay, Ontario  
Ontario Business College, Belleville  
National Schools, Los Angeles  
Northern Business College Limited, Owen Sound  
Milton Business College, Milton  
Drummond College, Renfrew  
Bilingual Stenographers' College, Ottawa  
Kenora Business College, Kenora  
Cornwall Commercial College, Cornwall  
Capitol Radio Engineering Institute, Washington  
Canada Business College, Toronto  
Teresa Dressmaking and Designing School, Toronto  
Shaw Schools Limited, Toronto  
Shaw Beaches School  
Shaw East Toronto School  
Shaw Riverdale School  
Shaw Danforth School  
Shaw Central School  
Shaw Deer Park School  
Shaw Dovercourt School  
Shaw Oakwood School  
Shaw High Park School  
Shaw North Toronto School  
Shaw Parkdale School  
Shaw Kingsway School  
Sarnia Business College, Sarnia  
Brantford Business College, Brantford



Reilly Institute of Effective Public Speaking, Toronto  
Reilly Institute of Effective Public Speaking, Hamilton  
The Business Institute, Toronto  
Brampton Business College, Brampton  
School of Telegraphy, Port Arthur  
National Radio Institute, Washington  
Helen M. Murphy Private Stenographic School, Ottawa  
Victoria Buchanan's Secretarial College, Toronto  
Speedwriting School of Canada, Hamilton  
School of Speedwriting Inc., New York  
Toronto School of Design, Toronto  
Willis Business College, Ottawa  
Helen Burgoyne Secretarial School For Girls, Toronto  
Timinius Business College, Timmins  
Leamington Business College, Leamington  
Fort William Business College, Fort William  
Lincoln Institute of Canada, Toronto  
Warren Air Service, Hamilton  
Technological Institute of Great Britain, Toronto  
Letchford Studio of Fashion Careers, Toronto  
Federal Business College, Peterborough  
Sudbury Business College, Sudbury  
The Magazine Institute, New York  
Canada Business College, Hamilton  
Dominion Business College, Toronto  
Canada Business College, Chatham  
Windsor Business College, Windsor  
International Correspondence Schools Canadian Limited, Montreal  
Standard Engineering Institute, Toronto  
Peterborough Business College, Peterborough  
Galasso School of Designing, Toronto  
General Welding Works, Toronto  
General Welding Works, Sudbury  
Oshawa Business College, Oshawa  
Taber Business College, Carleton Place  
Taber Business College, Smiths Falls  
Secord Secretarial School for Girls, Toronto  
Gerard G. Larocque School, Ottawa  
M. C. C. Schools, Winnipeg  
Inter Provincial Air Services Limited, Windsor  
Sudbury School of Telegraphy, Sudbury  
Dress Rehearsal Limited, Toronto  
Washington School of Art, Washington  
Niagara Business College, Niagara Falls  
Cub Flying School, Hamilton  
Chicago Vocational Training Corporation Limited, Edmonton  
Pembroke Business College, Pembroke  
Wells Academy, London  
Aylmer Business College, Aylmer  
Central Business College, Goderich  
Guelph Business College, Guelph  
Petrolia Business College, Petrolia  
Wells Academy, Kitchener  
Wells Academy, Stratford  
Woodstock Business College, Woodstock  
Orangeville Business College, Orangeville  
O'Neill Business College, Windsor  
Quinte Flying School, Peterborough  
Smith's Flying Service, London  
School of Stationary Engineering, Copper Cliff and Sudbury  
C. W. Wright Effective Speaking Course, Toronto  
Westervelt School, London  
Tripp Flying Services Limited, Toronto  
St. Michael's Commercial College, Sudbury  
Barrie Business College, Barrie  
Sudbury Flying School, Sudbury  
Lakeland Skyways Limited, North Bay  
Robinson Business College, Welland  
Central Airways Company, Toronto  
Trenton Business College, Trenton

Aviaco Limited, London  
Palmer Institute of Authorship, Hollywood  
St. Catharines Business College, St. Catharines

Another record year for placement of graduates and undergraduates of all Trade-Schools is reported. The demand for men and women with trades and business training continues to be far beyond the supply. All too frequently, because of the shortage of trained men and women, students have been induced to accept employment long before they have acquired sufficient skill or knowledge to give satisfactory service. This exodus of partially-trained men and women from classrooms to occupations has been of great concern to school principals. It forecasts inevitable unemployment for many of their former pupils when competition among fellow-workers becomes normal and this in turn is bound to reflect unfavourably on the reputations of the schools.

W. S. KIRKLAND,  
*Registrar of Trade-Schools.*

Toronto, December 31st, 1946.

THE SCHOOL FOR THE BLIND

I have the honour to submit the annual report of the Ontario School for the Blind for the school year 1946-47.

Enrolment

	Boys	Girls	Total
Enrolment June 1946.....	90	74	164
Withdrawals June 1946.....	12	11	23
	78	63	141
New Pupils September 1946.....	16	7	23
Re-entry during the term.....	1	0	1
	95	70	165
Withdrawals during the term.....	3	1	4
Enrolment June 1947.....	92	69	161

Enrolment by Provinces

Ontario 123;      Alberta 13;      Manitoba 2;      Saskatchewan 23

Graduates and Withdrawals

Age	No. Pupils	Age	No. Pupils
23.....	1	15.....	2
20.....	4	14.....	1
19.....	3	8.....	1
18.....	7	7.....	1
17.....	4		
16.....	3	Total.....	27

Of the above twenty-seven students, five finished the complete school course and graduated. Two of these students went to McMaster University; one is a member of a teaching staff, teaching blinded soldiers, another is operating a dry stand, and one is in industrial employment. Of the remainder, one transferred to a school in Winnipeg, two of low mentality were sent to the school in Orillia, one remained at home ill, and fourteen are employed in factory or other work. One lad, who had an excellent standing in all his grades, dropped out at Eleventh Grade to become an officer in the Salvation Army. Three are not reported.

Five former pupils are now attending University. William Johnson and Louise Cowan have been doing M.A. work at Columbia and Toronto Universities respectively, while Robert Story, Gloria Mortimer and Betty MacMillan are undergraduates at McMaster. The school is proud of the achievements of these students.

## New Pupils in Age Groups

Age	No. Pupils	Age	No. Pupils
6.....	2	14.....	3
7.....	2	16.....	2
8.....	1	17.....	1
9.....	4	19.....	1
11.....	5	20.....	1
12.....	2	Total (includes 1 re-entry).....	24

## Mental Ratings of New Pupils

Untested.....	3
50 to 70.....	2
70 to 80.....	4
80 to 90.....	3
90 to 110.....	5
110 to 130.....	6
Total.....	23

Three pupils were not tested. One, a French lad, had little knowledge of English; the other two were too immature to be properly tested. Of the 110 to 130 group, one was seventeen years of age, two others, twenty years of age.

## Age-Grade Table

Grade	6-7 years	7-8 years	8-9 years	9-10 years	10-11 years	11-12 years	12-13 years	13-14 years	14-15 years	15-16 years	16-17 years	17-18 years	18-19 years	19-20 years	20-21 years	Total
I.....	2	4	1	5	2	3	2	.....	.....	1	.....	.....	.....	.....	.....	20
II.....	.....	1	2	4	3	3	1	1	.....	.....	.....	.....	.....	.....	.....	15
III.....	.....	.....	2	3	6	3	4	2	1	.....	.....	.....	.....	.....	.....	21
IV.....	.....	.....	.....	No Grade				(4) this year	.....	.....	.....	.....	.....	.....	.....	0
V.....	.....	.....	.....	.....	2	6	2	1	1	.....	3	.....	.....	.....	.....	15
VI.....	.....	.....	.....	.....	.....	4	4	2	4	3	1	.....	.....	.....	.....	18
VII.....	.....	.....	.....	.....	.....	1	3	4	5	2	3	.....	.....	1	.....	19
VIII.....	.....	.....	.....	.....	.....	.....	.....	.....	4	5	6	3	2	1	2	23
IX.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	2	4	3	.....	1	13
X.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	.....	4	.....	9
XI.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	2	.....	.....	.....	5
XII.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4	.....	.....	2	7
Totals...	2	5	5	12	13	20	16	10	17	13	20	16	5	6	5	165

## Staff Changes

After eighteen years of faithful and efficient service as teacher of Household Science and Physical Training, Miss Laura Benrns has resigned her position.

Miss Deborah Haight, who has given seven years of devoted service to the School, resigned to take up secretarial work.

Miss Marie Butler has resigned her teaching post after three years of effective work, in order to be married. For the current year Mrs. Helen Lindsay took over Miss Haight's work and Mr. Robert Lindsay Miss Butler's work.

#### Toronto Conservatory Examinations

At the Toronto Conservatory of Music, Ronald Adams passed his Grade 8 Piano with First Class Honours. Henry Hoglund obtained Honours in Grade 8 Piano, and Annie Gray passed Grade 8 Organ with Honours. The results of those students who tried examinations in Theory have not yet been received.

#### Student Awards

Character Cups for senior boys and girls have been won this year by Muriel Mitchell of Lloydminster, Alta., and Ronald Adams of Forest, Ont., this boy being a second year winner of this cup. The Ethel Charlton Memorial Scholarship was won by Marjorie Fulton. This money prize of \$45.00 goes to the top academic student in the graduating class. The Women's Division of the Canadian Federation for the Blind gave a \$50.00 scholarship to the best graduating student from Saskatchewan or Alberta. This year, Muriel Mitchell was the winner.

The Rotary Scholarships are as follows:

Dr. D. C. Chapin Memorial Scholarship—General Proficiency Grade 8,	
Angus Vctor	\$5.00
Allen E. Cuthbertson Memorial Scholarship—General Proficiency—Grade 9,	
Reinhold Goliath	\$5.00
Flt. Lt. Ian Dowling Memorial Scholarship—General Proficiency—Grade 10,	
Claude Chatelain	\$10.00
Lt. Charles Waterous Memorial Scholarship—General Proficiency—Grade 11,	
Kenneth Holmes	\$10.00
Thomas Makusker Memorial Scholarship, Best Student, Dept. of English,	
Grades 11 & 12, Evelyn Crowe	\$10.00
Theodore R. Hamilton Memorial Scholarship—to student who has made the	
greatest progress in music during the year	
Henry Hoglund	\$10.00

At the Stratford Musical Festival this year Charles Rush, competing in the Baritone class (under 21 years of age) won first place and also captured the Junior Medlyn Cup as winner for all classes, vocal.

#### Extra-curricular Activities

On the resumption after a wartime interval of the annual field-day competition between this school and the Batavia School for the Blind, New York, the meet was held this year in Brantford. Our boys won all five events and permanent possession of the trophy.

Our Girl Guides in competition with all Brantford companies, ten in number, won the Elizabeth Edgar Memorial Cup for General Proficiency. Miss Esther Murray, a member of the staff, is Captain of the School Company as well as Divisional Commander for Brant-Norfolk.

The School Choir has given splendid service to Brantford and the surrounding district. There was scarcely a week in which the choir did not supply part of a programme for public meetings or service club dinners. Four full-length concerts were given at Galt, Scotland, Brant Sanitarium, and Colborne Street Church,



Brantford, The choir was especially honoured in being asked to sing at a banquet tendered to the Governor-General at the Brantford Golf and Country Club on May 30th. They were sincerely complimented by His Excellency, who expressed a desire to visit the Ontario School for the Blind.

The major musical-dramatic presentation for the year was Gilbert and Sullivan's "H. M. S. Pinafore," under the direction of Mr. George A. Smale, assisted by Miss Vera Kellett and Miss Eleanor Edmondson, and other members of the staff. This light opera was presented in Brantford and twice in Windsor to enthusiastic audiences. Despite high expense costs, over \$500 was contributed to the Brantford Boys' Band, to the Food Collection for British Children, and to the Home for the Blind in Windsor. At Windsor, the Lions' Club entertained the sixty young people in their homes.

On June 13th, the entire school were the guests of "Patty" Conklin, at a monster picnic given at his home. There was an hour's entertainment by some of his professional entertainers, good food in great abundance, and a warm show of hospitality. It was a red-letter day in the lives of our students.

Pupils of the school who have contributed for several years to missionary work in China through Dr. Robert McClure, have received warm letters of appreciation for their efforts.

#### Library Report

During the school year, 1946-7, a number of sets of Braille books were added to the text-book library. These are for use in the public school classes and consist of sets in mathematics and literature.

Not many volumes were added to the lending library, as owing to conditions created by the late war, many books in fiction and related subjects are temporarily out of print. Only a small proportion of the order was filled. Fortunately, however, this school received almost a full order of individual raised maps for the use of the geography classes in the High School Department.

Many of the library books are worn out from long service and will have to be replaced in the near future.

W. H. LITTLE, *Librarian.*

#### Double Defectives

Applications are received from time to time on behalf of students who are epileptic and blind, deaf and blind, physically crippled and blind, and all the combinations that these defects give, linked up with mental deficiency. The school is not equipped to care for any of these groups, yet they have a right to receive all the training that they are capable of assimilating.

During this past year, we have had four children who are epileptics, one of whom we had to exclude. We have had two physically crippled children who each needs two crutches to walk. All of these six double defectives are living in a school where they climb two flights of stairs to Assembly, one flight of stairs to their meals, and a part of them climb one flight to their classroom, as well as up and down concrete stairs from the school to the dormitories. Our type of building not only renders life unsafe for them, but also for others.

#### Medical Report

Total Number of Patients.....	112
Total Number of Hospital Days.....	749
Communicable Diseases	
Scabies.....	3
Infectious Hepatitis.....	1
	—

Accident Cases		
Sprained Ankles.....	5	
Injured Knees.....	3	
Acute Lumbar Strain.....	1	
Lacerations.....	13	
	—	22
Miscellaneous		
Acute Tonsillitis and Pharyngitis.....	14	
Epilepsy.....	4	
Eczema.....	3	
Observation.....	14	
Appendectomy.....	1	
Bronchitis.....	3	
Quinsy.....	1	
Common Colds.....	30	
Other Cases.....	16	
	—	86
New Pupils Vaccinated.....	2	
New Pupils given Diphtheria Toxoid.....	11	
Pupils given Tetanus Anti-toxin.....	10	
All Pupils given reinforcing dose of Diphtheria Toxoid		
All Pupils given Patch Test for Tuberculosis		

The health of the students was very good during the term. Many of the hospital admissions were for observation only, where they could be supervised adequately from the medical and nursing standpoint. It was considered that the loss of school days due to illness was minimized by hospitalizing respiratory infections early and keeping the patients isolated.

In conjunction with the Brant County Health Unit, the pupils were all given the patch test for tuberculosis. The positive cases were X-rayed. No cases of active tuberculosis were found, despite the routine follow-up chest X-rays on doubtful cases. This was considered a very unusual record, as the pupils come from the Prairie Provinces as well as from Ontario and do not require a routine X-ray of the chest before enrolling at the Ontario School for the Blind. It was felt that in future, new pupils should be patch tested and those with positive reactions should be given chest X-rays.

The annual physical re-checks were completed as usual. It was gratifying to find that a number of pupils with recurrent tonsillitis, had followed our advice and had a tonsillectomy during the summer holiday season. The new pupils were found to be in fairly good physical condition. The immunization program was kept up to date, and the school was remarkably free from infectious disease during the term.

There are still quite a few students who urgently require tonsillectomies. The majority of these children have been strongly urged to have their tonsils removed during the coming summer.

Miss Anna Cook, the school nurse, is to be commended upon the skill and painstaking care with which she handled the medical welfare of her charges. The pupils are very fond of "their nurse" and have great confidence in her ability to help them during an illness. Miss Cook's cheerfulness and efficiency is a great acquisition to the medical welfare of the pupils.

Respectfully submitted,

J. A. MARQUIS,  
*Physician.*

## Ophthalmologist's Report

Degree of sight in new classes:

	Ability to count finger	Light perception only	No light perception in one or both eyes
Boys.....	13	5	0
Girls.....	4	1	0
23	17	6	0

Our examination reveals an interesting fact in that in this year's class there is not a single pupil who has completely lost the sight in both eyes. One or two have lost one eye, but for many years, in each new group, we have always encountered two or three who have been totally blind.

Another relevant fact is that seventeen pupils have sufficient sight to count fingers at varying distances. For this category, this is a much higher number than is usually met with.

Diseases causing blindness:

	Boys	Girls	Total
Congenital cataract.....	2	0	2
Other congenital causes—nystagmus, retinitis pigmentosa, microphthalmus.....	8	4	12
Keratitis.....	2	0	2
Myopia.....	0	0	0
Uveitis—traumatic and sympathetic.....	0	0	0
Buphthalmus.....	3	0	3
Optic atrophy.....	2	2	4

Study of the foregoing chart shows that congenital cataract, which is the usual lesion accounting for the largest percentage of visual loss, is much less prominent,—there being only two cases. This has been replaced by that group classified as congenital which includes nystagmus, retinitis pigmentosa and microphthalmus. This class accounts for some twelve cases,—or more than all the other eye lesions combined.

Another interesting observation is that such lesions as keratitis and myopia, —formerly liberal contributors to the cause of blindness—are not present in this year's class. This may be a coincidence, but we hope that it is an indication of an advancement of public education and interest in matters of health.

Our examination includes a routine survey of every pupil in the school. Many have shown a considerable improvement during the year. It was necessary to prescribe a change of glasses for many. A few needed ocular treatment and advice in the care and use of their eyes. All pupils showed a marked improvement in their weight, appearance, and general health. Some parents were seen throughout the year, and advice and direction were given as to their children's welfare.

Respectfully submitted,

NORMAN BRAGG, M.D. F.A.C.S.,  
Oculist.

## Dental Report

I have examined the teeth of all the pupils and found everything quite satisfactory. Of ninety-one boys, forty-two required no fillings, and twenty-five only one. Of sixty-four girls, twenty-nine required no fillings and sixteen only one. I consider this a very healthy condition.

	Boys	Girls	Total
Total number of fillings inserted.....	93	71	164
Teeth extracted—permanent.....	12	4	16
Teeth extracted—deciduous.....	26	23	49

A porcelain crown was inserted for one pupil.

Respectfully submitted,

J. R. WILL, *Dentist.*

## BURSAR'S FINANCIAL REPORT for the year ending March 31, 1947

## EXPENDITURES:

Salaries and Wages.....	\$84,623.87
Travelling Expenses.....	260.82
Medical Department.....	351.18
Groceries and Provisions.....	17,922.54
Bedding and Clothing.....	330.11
Fuel, Light, Power and Water.....	11,218.32
Laundry Soap and Cleaning.....	1,304.93
Furniture and Furnishings.....	1,037.13
Farm and Garden.....	1,044.69
Repairs and Alterations, etc.....	2,585.43
School Supplies, etc.....	1,465.18
Dental and Oculist Services.....	487.50
Contingencies.....	1,823.24
	<hr/> \$124,454.94

## CASUAL REVENUE RETURNED TO DEPARTMENT:

Farm Account.....	\$905.66
Perquisites.....	11,004.54
Fees from Western Provinces.....	12,700.00
	<hr/> 24,610.20

ACTUAL EXPENDITURE..... \$99,844.74

G. H. RYERSON,  
*Bursar.*

I am pleased to state that over the year, the teaching staff have given generously of their best, both in school and out. The help staff have been faithful to their duties.

I have the honour to be, Sir, your obedient servant,

H. J. VALLENTYNE,  
*Superintendent.*

June 28, 1947.

## THE SCHOOL FOR THE DEAF

---

I have the honour to submit the report of the Ontario School for the Deaf for the year 1946-47.

### Attendance

Enrolment by months:—

	Boys	Girls	Total
April, 1946.....	131	139	270
May.....	131	139	270
June.....	130	137	267
September.....	145	145	290
October.....	145	146	291
November.....	145	145	290
December.....	145	145	290
January, 1947.....	145	145	290
February.....	146	145	291
March.....	146	145	291

Average enrolment for year—284

Twenty-three pupils left school during the year. Their ages are given below:—

4 years.....	1 pupil	14 years.....	1 pupil
5 years.....	1 pupil	15 years.....	3 pupils
6 years.....	2 pupils	16 years.....	3 pupils
8 years.....	1 pupil	17 years.....	3 pupils
10 years.....	2 pupils	18 years.....	3 pupils
12 years.....	1 pupil	21 years.....	1 pupil
13 years.....	1 pupil		

The younger children left to attend other schools in Ontario or moved to other provinces.

### Age of Admission

Forty-four new pupils were admitted and their ages on admission were:

4 years.....	8 pupils	10 years.....	3 pupils
5 years.....	14 pupils	11 years.....	2 pupils
6 years.....	5 pupils	12 years.....	1 pupil
7 years.....	4 pupils	13 years.....	1 pupil
8 years.....	2 pupils	14 years.....	1 pupil
9 years.....	2 pupils	19 years.....	1 pupil



AGE-GRADE TABLE—September 15, 1946

	4 yrs.-5 yrs.	5 yrs.-6 yrs.	6 yrs.-7 yrs.	7 yrs.-8 yrs.	8 yrs.-9 yrs.	9 yrs.-10 yrs.	10 yrs.-11 yrs.	11 yrs.-12 yrs.	12 yrs.-13 yrs.	13 yrs.-14 yrs.	14 yrs.-15 yrs.	15 yrs.-16 yrs.	16 yrs.-17 yrs.	17 yrs.-18 yrs.	18 yrs.-19 yrs.	19 yrs.-20 yrs.	Totals	TOTALS
<b>Junior School</b>																		
Preparatory 1—4 classes.	7	18	14	4													43	
Preparatory 2—4 classes.			2	10	9	13	9	1									44	
Preparatory 3—4 classes.				2	8	17	12	5									44	
Grade 1—2 classes.					1	5	13	3									22	153
<b>Intermediate School</b>																		
1 Academic, Grade 3.							1	5	7								13	
2 Academic, Grade 4.								3	5	1	1						10	
3 Academic, Grade 5.									4	4	2	1					11	
1 Vocational.									6		1						7	
2 Vocational.								3		4							11	
3 Vocational.									4	5	2						11	63
<b>Senior School</b>																		
1 Academic, Grade 6.									3	3	3	5					14	
2 Academic, Grade 7.											5	5	3				13	
3 Academic, Grade 8.													4	5		1	10	
4 Academic, Grade 9.												1	1	1	3		6	
Full Time Vocational.													1		3	2	6	
1 Vocational.												2		2		1	5	
2 Vocational.											3	3					6	
3 Vocational.												6					6	
4 Vocational.												2	7				9	75
	7	18	16	16	18	35	35	20	33	17	17	25	16	8	6	4	291	

ATTENDANCE-GRADE TABLE—September 15, 1946

	0 yrs.-1 yr.	1 yr.-2 yrs.	2 yrs.-3 yrs.	3 yrs.-4 yrs.	4 yrs.-5 yrs.	5 yrs.-6 yrs.	6 yrs.-7 yrs.	7 yrs.-8 yrs.	8 yrs.-9 yrs.	9 yrs.-10 yrs.	10 yrs.-11 yrs.	11 yrs.-12 yrs.	Totals	TOTALS
<b>Junior School</b>														
Preparatory 1—4 classes.	31	12											43	
Preparatory 2—4 classes.	4	13	18	4	5								44	
Preparatory 3—4 classes.	2	2	5	16	14	5							44	
Grade 1—2 classes.		1		3	9	7	2						22	153
<b>Intermediate School</b>														
1 Academic, Grade 3.				1	1	4	7						13	
2 Academic, Grade 4.		1		1	1	1	6						10	
3 Academic, Grade 5.		1		1	1	3	4	1					11	
1 Vocational.		1	2	1	1	1	1						7	
2 Vocational.		1		1	2	4	2						11	
3 Vocational.						4	3	2	2				11	63
<b>Senior School</b>														
1 Academic, Grade 6.	1		1		1		1	4	4	2			14	
2 Academic, Grade 7.					1		1	1		6	4		13	
3 Academic, Grade 8.				1				1		3	5		10	
4 Academic, Grade 9.											4	2	6	
Full Time Vocational.			1						2		1	2	6	
1 Vocational.	1			2				1		1			5	
2 Vocational.							2		3	1			6	
3 Vocational.								1	2	1	1	1	6	
4 Vocational.							1	1	3	3	1		9	75
	42	30	28	31	34	27	29	15	17	17	16	5	291	

### A Comparison

Most educators of the deaf have been advocating the earlier admission of deaf children to school. Owing to this tendency in other schools a comparison of ages for the school years 1936-37 and 1946-47 is given below.

Ages September 15, 1936		Ages September 15, 1946	
4 years.....	1 pupil	4 years.....	7 pupils
5 years.....	8 pupils	5 years.....	18 pupils
6 years.....	16 pupils	6 years.....	16 pupils
7 years.....	15 pupils	7 years.....	16 pupils
8 years.....	26 pupils	8 years.....	18 pupils
9 years.....	30 pupils	9 years.....	35 pupils
10 years.....	27 pupils	10 years.....	35 pupils
11 years.....	23 pupils	11 years.....	23 pupils
12 years.....	25 pupils	12 years.....	33 pupils
13 years.....	30 pupils	13 years.....	17 pupils
14 years.....	20 pupils	14 years.....	17 pupils
15 years.....	19 pupils	15 years.....	25 pupils
16 years.....	22 pupils	16 years.....	16 pupils
17 years.....	14 pupils	17 years.....	8 pupils
18 years.....	8 pupils	18 years.....	6 pupils
19 years.....	6 pupils	19 years.....	4 pupils
20 years.....	2 pupils	20 years.....	0 pupils
21 years.....	1 pupil	21 years.....	0 pupils

It is significant that during the last year 41 children were six years or under compared with 25 pupils six years or under ten years ago. Also 53 pupils were sixteen years or over ten years ago compared with 34 pupils sixteen years or over last year.

This reduction of age should make possible more instruction for pupils at the secondary school level. Eight pupils obtained High School Entrance certificates in 1946 and six of these returned in September for high school work.

### New Equipment

Purchase of a 16-mm. Bell and Howell projector for silent and sound films has made possible programmes for educational, religious and entertainment purposes. Every Saturday evening the pupils have been entertained by films in the assembly room.

A permanent library of film strips and two-by-two slides is being built up. A projector for film strips and slides has been purchased and this equipment is being used for teaching social studies, shop practice, language and other subjects.

The new home economics room referred to in the last annual report was ready for use in September. The kitchens and laundry are equipped completely and have been used since September. Early delivery of living room and dining room furniture to completely furnish this room is expected.

A new printing press, a Pony Miehle, designed to take a maximum sheet of 26 x 34½ inches was installed in December. It is a late serial number press, which was rebuilt recently and is complete with standard factory accessories.

One of the latest models of group hearing aids, a Maico, was installed in March. It consists of 1 amplifier, 2 microphones, 14 pairs of receivers and a microphone for each two pupils. This adjustable set of microphones enables the pupils to hear their own voices as well as that of the teacher.

Equipment for the beauty culture shop was installed in September and includes a waving machine, hair dryers, and an Arno steamer for scalp treatment.

An electric drill and wall stand were placed in the farm mechanics shop and a school maintenance shop was set up in the basement of the main building.

#### Visit of Dr. and Mrs. Ewing

In April, 1946, Irene R. Ewing, O.B.E., M.Sc. and her husband A. W. G. Ewing, M.A., Ph.D., noted educators of the deaf from the University of Manchester, England, arrived in Washington, D. C. to visit schools for the deaf and to lecture to teachers, parents and others.

In September Dr. and Mrs. Ewing arrived in Ontario. After visiting day classes in Toronto, Hamilton and London and delivering addresses in Toronto and appearing before the Royal Commission on Education in Port Arthur, they spent three days at the Ontario School for the Deaf. While here they delivered eight lectures to an audience including the O. S. D. teaching staff and teachers of the acoustically handicapped from Montreal, Toronto, London, Hamilton and York County. The lectures included the following topics: Intellectual and Emotional Development of Deaf Children, a New Approach to Lip-Reading and Speech, and Tests and Evaluation of Residual Hearing in Relation to Education of the Deaf Child.

The Lectures were instructive, inspiring, and stimulating and the gracious personalities of Dr. and Mrs. Ewing impressed teachers, parents and other visitors.

At the close of the final lecture a reception was held under the direction and supervision of Mrs. M. Quinn, matron. An extract from The Ontario Intelligencer's report is quoted:

Being introduced to the guests of honour during the tea hour the Ontario Intelligencer had the privilege of an interview and found both Dr. and Mrs. Ewing gracious and entertaining. Asked about Ontario they said, "Visiting schools for the deaf in Ontario, we have been both inspired and delighted by what we have seen of the children and their teachers. For four months we visited schools for the deaf in the U. S. A., lecturing to interesting groups, but nowhere have we seen a better or more beautiful campus and buildings than here at Belleville.

We have spent three delightful days in this city and we have been deeply impressed by the happiness of the children in this school, and by the graciousness and charm of the teachers. We have seen the children at work, and at play on the campus, we've been with them for meals, yet from beginning to end we have never seen one pupil's face which has not shone with happiness and good health."

#### Association Meeting

Miss C. Ford, director of professional training, eleven teachers and the Superintendent attended the 56th Annual Summer Meeting of the American Association to Promote the Teaching of Speech to the Deaf, held in New York City from June 24th to 28th.

Highlights of the meeting were visits to Day School No 47 with an enrolment of 500 deaf pupils and to Lexington Avenue residential school. Addresses were given by Dr. and Mrs. Ewing, Mrs. Spencer Tracy of the John Tracy Clinic, Los Angeles, Dr. Arnold Geselt and other noted educators.

Panel discussions on such important subjects as reading, language, speech, hearing-aids, the nursery school, lip-reading, curriculum, supervision, and teacher training were held, many principals and teachers participating.

#### Visit to Rochester School

On May 24th. Misses C. Ford, E. Nurse, Messrs F. P. Cunningham, A. Gordon, C. A. Holmes and the Superintendent visited the Rochester School for the deaf. We were enabled to see all phases of school work, as the officials of the Rochester School did everything possible to make the visit profitable and helpful.

### Summer Courses

During the summer of 1946, three of our teachers, Misses K. B. Daly, M. I. Hegle and M. C. Maloney attended special classes for teachers of the deaf at Ypsilanti, Michigan. Other teachers took courses in Ontario.

### Special Events

On April 24th, Mr. A. Long, Historian of the Bell Telephone Company of Canada, assisted by Mr. Ferguson, his technician, gave a lecture and demonstration to the teaching staff, entitled "Looking Ahead with Science."

On Wednesday, May 8 Miss Wright, representing Underwood Ltd. gave a demonstration of typewriting for all pupils who are taking typing.

Thursday, May 30th, was Visiting Day at the School. Work of pupils in the various shops was on display and visitors observed the children at work in classrooms. In the evening a capacity crowd including many parents saw a group of dances by senior girls and a demonstration of gymnastics and mat work by the Intermediate girls.

The annual Christmas entertainment was held on Friday afternoon, December 13th, and was attended by pupils, members of the staff and many visitors. The programme consisted of singing of carols and the presentation of a pageant which portrayed the events leading up to the birth of Christ as recorded in the Bible.

Other events included Hallowe'en party, skating party and ice-races, St. Patrick's party, including dancing by the pupils and annual graduation exercises in June.

### Girls' Basketball and C. O. S. S. A.

For several years boys' teams from the O.S.D. have competed successfully in the Bay of Quinte district of the Central Ontario Secondary Schools Association in such games as rugby and hockey. For the first time a senior girls' basketball team was entered in 1945-46 and in 1946-7 a junior girls' basketball team was entered, winning the championship for the Bay of Quinte district. At Malvern Collegiate Institute, Toronto, the deaf girls were defeated in the finals by Niagara Falls Collegiate, score 23 to 19.

Boys' teams have also been successful in basketball games in competition with teams of hearing boys.

Reference is made to basketball as it was not possible for our pupils to play this game until the two gymnasiums were made available. The large floor space in the former drill hall of the R.C.A.F. has been divided making two gymnasiums, one for the boys and one for the girls. The work of partitioning was done by the boys under the direction of their instructors. Each gymnasium is 80 feet x 110 feet giving ample space for such games as basketball, volleyball and badminton.

### Medical Report for the School Year 1946-47

From April 1st, 1946, to March 31st, 1947, there were 347 admissions to hospital.

All new pupils not immunized against smallpox, scarlet fever, diphtheria and whooping cough were vaccinated or given the necessary toxoids.

29 cases of mumps were treated in the school hospital, all responding normally to treatment.

6 fractures resulting from play were reduced, X-rayed at the city hospital, and plaster casts applied.



Several cases of sore throats and four mild cases of pneumonia were treated.

The eyes of sixteen children were examined by Dr. Chant and glasses prescribed when considered necessary.

A new pupil, James Cooper, died in the Belleville Hospital from a brain tumour. His parents reported that he had been struck on the head at home with a baseball bat before he entered school.

With the assistance of Dr. Chant I gave all new pupils a complete physical examination.

On the whole the health of the pupils has been good.

R. W. TENNENT,  
*Physician.*

#### Dental Report for the School Year 1946-47

The following work has been completed during the School Term:

Boys: Fillings—(a) Amalgam 58, (b) Porcelain 14. Prophylaxis 51.

Extractions—(a) Permanent Teeth 11, (b) Deciduous Teeth 31.

Girls Fillings—(a) Amalgam 56, (b) Porcelain 13. Prophylaxis 49.

Extractions—(a) Permanent Teeth 6, (b) Deciduous Teeth 41.

G. C. CALDWELL,  
*Dentist.*

#### Bursar's Report

##### COST PER PUPIL—YEAR ENDING MARCH 31st, 1947

Salaries	Permanent.....	\$97,570.24	
	Temporary.....	52,125.01	
			\$149,695.25
Travelling Expenses.....		\$1,406.22	
Maintenance.....		92,986.02	
			94,392.24
Total Expenditures.....			\$244,087.49
Revenue			
Farm.....		\$7,064.97	
Miscellaneous.....		520.31	
Canadian.....		64.10	
			\$7,649.38
Perquisites.....			15,046.37
			\$22,695.75
Average Number of Pupils.....		269	
Annual Cost per Pupil.....		\$907.39	
Weekly Cost per Pupil.....		17.45	

C. B. MCGUIRE,  
*Bursar.*

Respectfully submitted,

W. J. MORRISON,  
*Superintendent.*

May 27th, 1947.





PART II

---

GENERAL STATISTICS

of

THE PROVINCIAL  
SCHOOL SYSTEM

A. M. CAMPBELL,  
*Statistician.*

# **GENERAL STATISTICAL SUMMARY OF ONTARIO PROVINCIALY CONTROLLED DAY SCHOOLS 1946** (Financial Data for calendar year 1946; other data for school year 1945-46)

	ELEMENTARY			SECONDARY				SENIOR AUXILIARY	TOTALS
	Public	R.C. Separate	Total Elementary	Continuation	High and Collegiate	Vocational	Total Secondary*		
<b>Schools—Number in operation</b>	6,005	836	6,841	194	236	43	455	5	7,301
<b>Pupils—Net Enrollment</b>	436,709	108,298	545,007	9,668	79,823	30,252	119,940	1,504	696,451
<b>Average Daily Attendance</b>	386,148	98,678	484,826	8,111	70,918	25,661	104,990	918	590,734
<b>Attendance Efficiency</b>	92.04	92.01	92.02	96.31	95.24	92.04		86.00	
<b>Teachers—Total full-time</b>	11,610	3,360	17,970	519	3,090	1,494	4,685	66	22,721
Male	2,521	370	2,891	230	1,620	992	2,501	34	5,516
Female	12,089	2,990	15,079	289	1,470	502	2,004	32	17,205
<b>Percentage of University Graduates</b>	4.4	5.2	4.5	56.3	91.5	71.5	81.9	25.7	20.4
<b>Expenditures—Teachers' Salaries</b>	\$25,036,468	\$3,525,610	\$28,562,078	\$864,532	\$7,668,490	\$2,974,210	\$12,607,232	\$499,820	\$41,369,139
<b>Total Current Operations</b>	\$5,133,186	\$3,287,490	\$8,420,676	1,291,432	10,898,653	5,711,565	17,901,650	310,067	\$8,635,423
<b>Capital Charges</b>	\$3,002,846	\$635,305	\$3,638,151	\$118,727	\$1,563,163	\$1,046,125	\$2,668,315	\$14,250	\$6,320,716
<b>Total Current Operations and Capital Charges</b>	\$8,136,032	\$3,922,795	\$12,058,827	\$1,410,159	\$12,401,816	\$6,760,990	\$20,572,965	\$324,317	\$61,956,139
<b>Government Grants</b>	\$16,782,460	\$2,623,592	\$19,406,052	\$859,759	\$5,795,360	\$3,022,403	\$9,677,522	\$129,084	\$26,242,658
<b>Capital Outlays— from Current Funds</b>	\$1,307,131	\$289,037	\$1,597,071	\$43,442	\$362,882	\$153,530	\$559,854	\$8,673	\$2,165,598
<b>from Capital Funds</b>	2,037,051	988,407	3,025,458	31,812	474,414	19,356	528,612		3,554,070
<b>Total</b>	\$3,344,185	\$1,277,044	\$4,622,529	\$75,254	\$837,336	\$172,886	\$1,088,466	\$8,673	\$5,719,668
<b>Cost per Pupil-Day (cents)</b>									
Current Operations	46.7	28.1	43.0	80.1	75.2	113.7	89.0	137.1	51.3
Capital Charges	1.0	3.4	3.9	7.4	10.6	21.1	13.3	6.3	5.5
Capital Outlays from Current Funds	1.7	1.5	1.7	2.7	2.6	3.1	2.8	3.8	1.9
<b>Total</b>	52.4	33.0	48.6	90.2	88.1	137.9	105.1	147.2	58.7
<b>To Government (in grants)</b>	22.3	13.9	20.6	52.9	37.7	60.1	46.6	57.1	25.5
<b>Capital Indebtedness at December 31, 1946</b>	\$17,798,819	\$7,336,296	\$25,135,085	\$388,691	\$10,788,646	\$7,187,122	\$18,561,462	\$16,346	\$43,745,893

\*Excluding duplication. 25 Secondary Schools are composite. 251 male teachers and 167 female teachers spend part of the school day in both academic and vocational departments.

## I—TERMINOLOGY

**Assessment**—The valuation placed upon property for tax levy purposes. The County Council generally makes an equalization annually of local assessment figures, and this equalized figure is used in the computation of Legislative grants to schools.

**Attendance Efficiency**—The percentage relation of the actual days attended to the perfect aggregate.

**Auxiliary Classes**—These are provided for gifted, socially or educationally maladjusted, retarded, or physically-handicapped pupils.

**Capital Charges**—Debenture instalments, or sinking fund deposits, made on debt incurred for school buildings and equipment.

**Compulsory School Age**—Children 8 to 14 must attend full time; children from 5 to 8, if enrolled, must attend full time to the end of the school term for which they are enrolled. Adolescents, 14 to 16, who have not attained University matriculation standing must attend full time; those exempted on the plea of circumstances compelling them to go to work must attend part time (400 hours a year) in municipalities where part-time courses are provided. Urban municipalities with a population of 5,000 and over, are required to provide part-time courses.

**Consolidated School**—An amalgamation of two or more rural schools, or of rural schools with a village or town school, either for the purpose of strengthening the means of school support where the original schools were small or poor, or for the purpose of providing a graded school and other advantages, such as conveyance, instead of the original one-room school.

**Correspondence Courses**—Reach those more isolated than the school ear pupils. They supplement the work of the regular school when remoteness, winter weather, ill-health, or physical disability prevent regular attendance. Twenty-five hundred is an approximate year's enrolment for these courses, which reach from Grade I to X, and are sets of carefully prepared lessons based on the new Course of Studies. A Departmental staff handles this correspondence with extreme promptness, and a pupil's progress depends entirely upon his own efforts. About 75% of these pupils live in Northern Ontario, and 15% of them are of foreign parentage. These courses are entirely free.

**Cost per Pupil-Day**—The cost of educating one pupil of actual attendance, for one day. It is found by dividing the total cost of education of the group of pupils concerned by the actual aggregate attendance of this group for the period under consideration.

**County Pupil**—A secondary school pupil living within the County but outside any secondary school district.

**District**—The eleven defined areas of Northern Ontario which do not constitute municipal units for any purpose. With the exception of Parry Sound and Muskoka, these areas lie north of The French River and Lake Nipissing. This region is newer and more sparsely populated than Southern Ontario, and produces most of Ontario's extensive mineral and forest wealth.

**Enrolment (Net)**—The number of pupils who have attended school during the year, excluding all duplications.

**Fifth Classes**—Grades IX and X in Elementary Schools, doing work similar to the first two grades of Secondary Schools. The majority of these classes are in rural areas.

**Free School Age**—The Public Elementary Schools are free to all resident pupils between the ages of 5 and 21 whose parents are public school supporters. The Separate Schools are free to the children of the separate school supporters. The Secondary Schools are free to all except non-resident pupils.

**General Maintenance**—Ordinary, current expense, as opposed to capital outlays and debenture charges.

**Inspectorate**—The area under the supervision of a local Departmental representative.

**Kindergarten Primary**—A class combining the work of the kindergarten and Grade 1.

**Non-Resident Pupil**—A secondary school pupil who is neither a resident nor a County pupil.

**Public School Section**—A subdivision of a township for elementary school purposes, containing a minimum of 50 children between the ages of 5 and 21, and having a maximum area of four square miles.

**Resident Pupil**—A secondary school pupil living within the secondary school district.

**School**—Provincially controlled schools may be classified as:

I. **Elementary**—Those doing the work of the first eight grades. A few have Fifth Classes (see above).

- (a) **Public**—The first school established in any school section or urban municipality, and supported by the ratepayers.
- (b) **R.C. Separate**—For the children of Roman Catholics.
- (c) **Protestant Separate**—For the children of Protestants in centres preponderantly Roman Catholic.

II. **Secondary**—Those doing the work of Grades IX to University Matriculation.

(a) **Academic:**

- 1. **Collegiate Institutes.**
- 2. **High Schools.**
- 3. **Continuation Schools.**

These schools are differentiated by minimum staff requirements. Continuation Schools are located mostly in villages or rural areas. Academic Courses are designed to lead to Universities and Teacher-Training Schools.

(b) **Vocational:**

- 1. **Technical High School.**
- 2. **Commercial High School.**

In the smaller centres academic and vocational departments are frequently found in the one building, which is then called a composite school. Vocational courses are designed to lead to industry, trade and commerce.

**School Car**—A school on wheels, carrying education and social betterment to small communities scattered along the railway lines of Northern Ontario. There are seven of these cars at present, and the length of route ranges from 83 to 221 miles. The route is covered in four to six weeks, with stops of about 5 days at certain stations. Problems are solved, work is outlined for the next period, and daily problems of life are discussed. Emphasis is placed on English, writing, spelling and arithmetic. The present enrolment approximates 250, and comprises 15 nationalities. The Department pays all costs.

**School Year**—The school year consists of two terms, September 1 to December 22, and January 3 to June 30. In addition to the intervals between these terms there is a vacation of one week following Easter. In this Report statistics cover the school year where possible. Financial data remains on the calendar year basis.

**Secondary School District**—The area over which the secondary school board exercises supervision. Each city and separated town is a secondary school district. The County Council may establish a secondary school district composed of an urban municipality only, a group of school sections only, or a combination of both. In the territorial districts of Northern Ontario any municipal council or councils may establish the whole or any part of the municipality or municipalities as a secondary school district, with the approval of the Minister of Education.

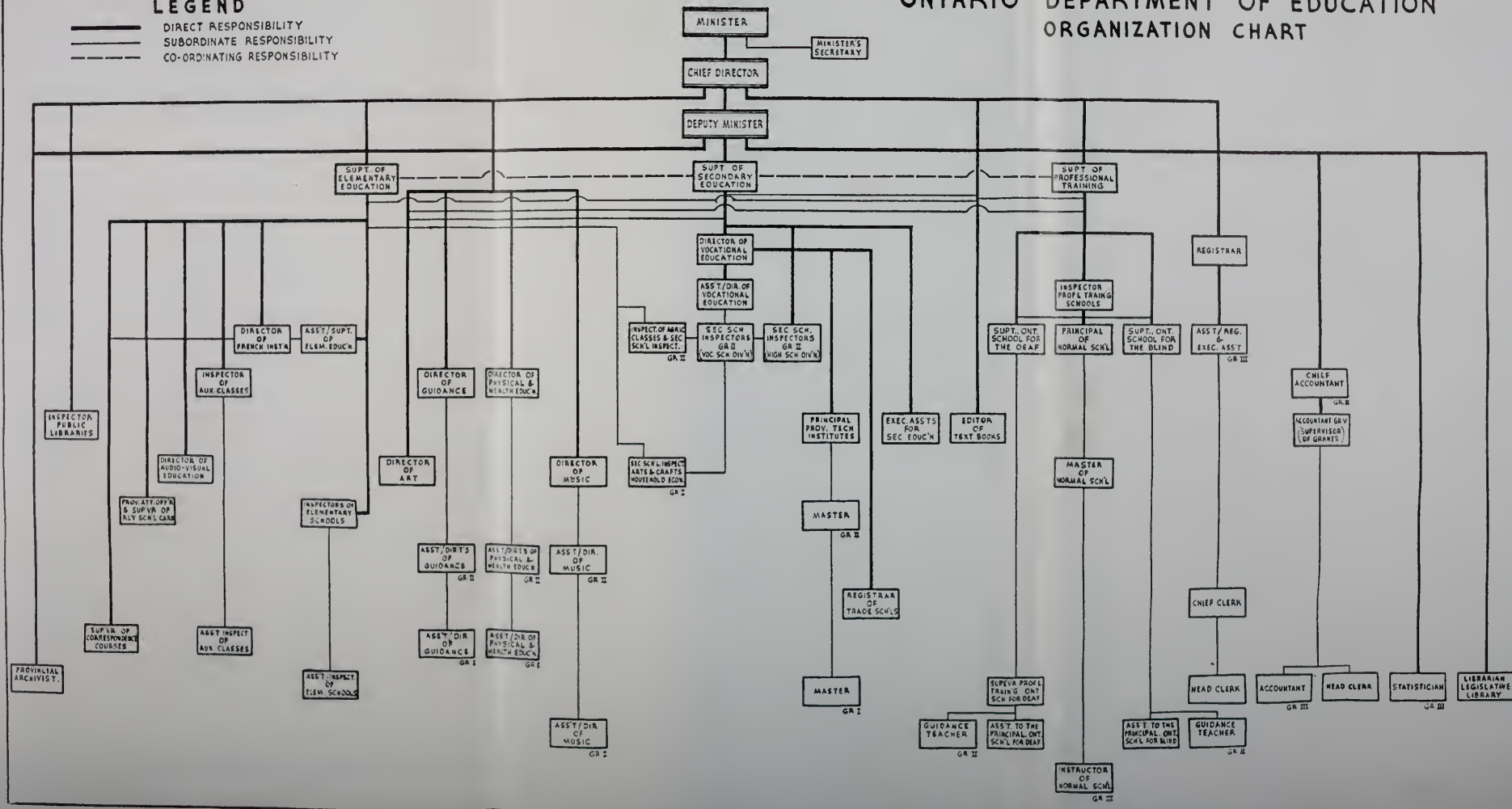
**Township School Area**—A unit of school administration comprising two or more contiguous rural school sections in the same township or in adjacent townships, or comprising such rural sections along with one or more adjacent villages or towns. See Cir. Elem. 15, The Township School Area in Ontario.



# LEGEND

- DIRECT RESPONSIBILITY
- - - SUBORDINATE RESPONSIBILITY
- - - CO-ORDINATING RESPONSIBILITY

## ONTARIO DEPARTMENT OF EDUCATION ORGANIZATION CHART



In

Ki

No

Pu

Re

Sc

Sch

Sch

Sec

Tow

## SCHOOL YEAR AND HOLIDAYS

Sept. 3rd, 1946, to June 27th, 1947

## PROVISIONS OF THE SCHOOL ACTS

The school year shall consist of two terms, the first of which shall begin on the first Tuesday of September following Labour Day and shall end on the 22nd day of December, and the second of which shall begin on the 3rd day of January and end on the 29th day of June.

When the 3rd day of January is a Friday, the schools shall not be opened until the following Monday, and when the 29th day of June or the 22nd day of December is a Monday, the schools shall be closed on the preceding Friday.

Every Saturday, every public holiday, the week following Easter Day, and every day proclaimed a holiday by the authorities of the municipality in which the teacher is engaged, and every day upon which a school is closed under the provisions of The Public Health Act, or the regulations of the Department of Education shall be a school holiday.

## HOLIDAYS

The following are the holidays in the schools during the school year 1946-47:

- (1) Thanksgiving Day.
- (2) Remembrance Day—November 11th.
- (3) December 21st to 31st, inclusive—part of Christmas vacation.
- (4) The first five days of January—part of Christmas vacation.
- (5) Easter holidays—April 4th to April 13th—both days included.
- (6) Victoria Day—May 24th.
- (7) The Anniversary of the King's Birthday.
- (8) Summer vacation—June 28th to September 1st, both days included.

## DATES OF OPENING AND CLOSING OF SCHOOLS

The following are the dates of the opening and closing of the High, Continuation, Public and Separate Schools:

Open.....	September 3rd	Close.....	December 20th
Reopen.....	January 6th	Close.....	April 3rd
Reopen.....	April 14th	Close.....	June 27th

## NUMBER OF TEACHING DAYS

In the High, Continuation, Public and Separate Schools, the number of teaching days is as follows:

September.....	20	January.....	20
October.....	23	February.....	20
November.....	20	March.....	21
December.....	15	April.....	16
		May.....	22
		June.....	20
	<hr/>		<hr/>
	78		119
		Total.....	197

P.S.: As the exact dates of the Anniversary of the King's Birthday and Thanksgiving Day have not yet been proclaimed, the deduction has not been made from the above. The total number of teaching days for the academic year will be 195.

Number of teaching days for calendar year 1946 — 197; for calendar year 1947 — 196.

**I—DISTRIBUTION OF DAY PUPILS IN ONTARIO PROVINCIALY-CONTROLLED SCHOOLS, SCHOOL YEAR 1945-46**  
**A—STANDARD GRADE PUPILS**

Under 5 yrs.		5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 yrs. and over	Totals by Sexes	Total by Grades	Average age Group A
KINDERGARTEN	Boys	36	4,113	2,885	96	15	3	3									7,151	13,830	5.9
	Girls	40	3,991	2,568	70	6	2	2									6,979		2.1
KINDERGARTEN-PRIMARY	Boys	5	2,115	2,997	418	66	9										5,580	10,831	6.2
	Girls	1	2,114	2,755	344	28	7	2									5,251		1.6
GRADE I	Boys	22	1,057	16,406	17,539	4,514	1,083	342	133	74	59	17	11	2			41,319	77,680	7.2
	Girls	12	1,134	16,028	15,107	3,068	633	192	83	61	23	11	7		1		36,361		11.8
GRADE II	Boys		4	151	11,260	15,175	5,693	1,939	617	251	100	52	11	2			35,558	67,373	8.1
	Girls		5	606	12,971	13,579	3,246	928	297	107	50	19	4	2	1		31,815		10.2
GRADE III	Boys			9	626	9,372	13,138	6,010	2,343	891	366	130	13	10	2		32,910	62,690	9.5
	Girls			8	1,016	11,013	11,829	3,844	1,255	944	166	71	37	6	1		29,750		9.6
GRADE IV	Boys				35	1,063	8,542	11,571	5,836	2,615	1,093	482	110	28			31,407	60,893	10.5
	Girls				31	1,685	10,294	11,041	4,976	1,485	571	212	70	17	1		29,186		9.2
GRADE V	Boys					12	1,467	8,520	11,156	6,203	3,239	1,373	450	106	6	2	32,565	63,104	11.4
	Girls					57	2,060	10,277	10,780	4,467	1,925	655	260	52	3	2	30,339		9.6
GRADE VI	Boys																30,026	60,491	12.6
	Girls																29,805		9.2
GRADE VII	Boys																28,173	56,911	13.5
	Girls																28,738		8.7
GRADE VIII	Boys																28,247	57,525	11.4
	Girls																29,278		8.7
GRADE IX	Boys																21,805	46,060	15.1
	Girls																21,255		7.0
GRADE X	Boys																15,083	31,261	15.9
	Girls																18,578		5.2
GRADE XI	Boys																9,725	20,986	15.8
	Girls																11,261		3.2
GRADE XII	Boys																7,125	15,197	17.0
	Girls																8,072		2.3
GRADE XIII	Boys																5,731	10,589	18.5
	Girls																4,855		1.6
TOTALS BY SEXES	Boys	63	7,289	22,778	29,974	30,247	29,375	29,873	29,430	29,441	31,356	31,110	26,018	16,772	9,718	5,683	3,611	333,038	
	Girls	53	7,214	21,365	29,570	29,168	28,141	28,626	28,759	28,917	30,414	29,879	26,708	18,690	9,805	1,694	1,850	324,783	658,121
TOTALS—GROUP A...		116	14,533	44,743	59,544	59,715	58,116	58,499	58,189	58,358	61,770	61,289	52,726	35,462	19,523	10,377	5,461	658,421	
PERCENTAGES		(.01)	2.2	6.8	9.0	9.1	8.8	8.9	8.8	8.9	9.4	9.3	8.0	5.4	3.0	1.6	.8		

## B—PRE-VOCATIONAL AND SPECIAL VOCATIONAL PUPILS

	Under 5 yrs.	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	18 yrs.	19 and over	Totals by Sexes	Grade Totals
PRE-VOCATIONAL— Boys..... Girls.....									2	11	62	209	139	22	2	1	118	617
										3	52	77	31	6			169	
SPECIAL VOCATIONAL— Boys..... Girls.....											2	14	33	57	58	130	294	768
												11	53	119	113	148	474	
TOTALS—GROUP B.....									2	14	116	311	256	204	203	279	1,385	

## C—JUNIOR AND SENIOR AUXILIARY PUPILS

JUNIOR..... Boys..... Girls.....			2	32	121	207	337	419	416	509	471	501	304	51	12	8	3,420	4,974
			3	16	56	105	172	213	229	248	211	183	86	16	2	11	1,554	
SENIOR..... Boys..... Girls.....									6	156	326	353	111	7	2		964	1,671
									29	138	220	213	105	2			707	
TOTALS—GROUP C.....			5	48	177	312	509	632	710	1,051	1,228	1,250	609	76	16	22	6,645	

## SUMMARY

Boys.....	63	7,289	22,780	30,006	30,368	30,182	30,210	29,849	29,895	32,032	32,271	27,095	17,362	9,855	5,757	3,750	338,764
Girls.....	53	7,214	21,968	29,586	29,521	28,246	28,798	28,972	29,175	30,803	30,362	27,192	18,965	9,948	4,839	2,012	327,687
GRAND TOTALS.....	116	14,533	44,748	59,592	59,892	58,428	59,008	58,821	59,070	62,835	62,633	54,287	36,327	19,803	10,596	5,762	666,451

In addition, there were 1136 part-time Vocational pupils, unclassified.



## II—DESTINATION OF PUPILS LEAVING SCHOOL FROM SEPT. 1, 1945 TO SEPT. 1, 1946

## FROM ELEMENTARY SCHOOLS

## FROM SECONDARY SCHOOLS

	(Public and R.C. Separate Schools)						Academic						Vocational		Total Secondary		Total Leaving Student Life	
	Cities		Towns and Villages		Rural		Total Elementary		Continuation		High and Collegiate		194		827			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>A—Left the Province</b> .....	3,013		1,160		867		5,040		66		567							
<b>B—To Further Training:</b>																		
Private Elementary School.....	646	3.1	171	1.7	130	1.3	947	2.3	80	11.6	558	8.9	37	9.0	681	9.4		
Private Secondary School.....	1,198	5.7	889	9.0	377	3.6	2,464	6.0	181	26.8	1,083	17.5	177	43.1	1,417	20.0		
Business College.....	136	6.6	63	7	77	8	276	7	21	31	101	1.7	22	5.4	147	2.0		
Private Technical Training College.....	46	2	65	7	105	1.0	216	5.1										
Provincial Sec. School.....	19,138	90.4	8,666	87.9	9,650	93.3	37,451	90.6	116	19.7	2,802	45.9	130	31.6	3,108	43.0		
University.....									80	13.6	726	11.6	3	7	809	11.2		
Normal School.....									101	17.4	898	14.4	42	10.2	1,041	14.4		
Nurses' Training School.....																		
Total to Further Training.....	21,164	76.5	9,854	73.0	10,339	58.4	41,357	70.3	588	23.4	6,234	30.8	411	3.2	7,233	20.4		
<b>C—Left Student Life:</b>																		
Employment:																		
Agriculture.....	237	4.4	385	12.9	3,226	19.5	3,848	25.9	193	27.9	1,542	13.0	361	3.7	2,399	10.2	6,217	16.3
Commerce and Finance.....	759	11.2	223	7.4	151	2.3	1,133	7.6	303	17.1	3,772	31.7	3,616	37.1	7,721	32.9	8,851	23.1
Industry.....	1,888	35.2	818	27.3	3,115	5.3	3,051	20.5	207	11.7	2,256	18.9	2,288	23.3	3,475	20.2	7,802	20.3
Trades and Crafts.....	356	6.6	116	3.9	49	8	521	3.5	63	3.6	735	6.2	1,275	13.0	2,073	8.8	2,591	6.8
Transportation and Communication.....	19	4	11	3	7	1	37	3	136	7.7	880	7.4	120	4.3	1,136	6.1	1,473	3.8
Electric Light and Power.....	64	1.2	27	9	10	2	101	2.6	2	1	88	7	118	1.2	208	9	309	8
Warehousing and Storage.....	189	3.5	104	3.5	91	1.1	381	2.6	7	4	87	7	92	9	186	8	570	1.5
Mining and Quarrying.....	5		22	8	11	2	38	3	4	2	63	5	88	9	155	7	193	5
Fishing, Trapping, Lumbering, Logging Service.....	24	5	71	2.1	119	1.8	211	1.5	16	9	107	9	56	1.6	179	8	393	1.0
(a) Personal.....	225	4.2	147	1.9	143	2.2	515	3.5	70	4.1	327	2.7	116	1.5	513	2.3	1,058	2.8
(b) Public.....	53	1.2	23	8	31	5	110	7	54	3.1	481	4.1	203	2.1	741	3.2	851	2.2
(c) Home Help (domestic; girls only).....	592	11.0	593	19.8	1,810	28.2	3,025	20.3	293	16.7	818	6.9	367	3.7	1,478	6.3	4,503	11.7
Not Classifiable Above:																		
(a) Unskilled Labour.....	602	11.2	327	10.9	312	5.2	1,271	8.5	73	4.1	238	2.0	323	3.3	631	2.7	1,905	5.0
(b) Clerical Work.....	177	3.3	31	1.0	22	3	230	1.5	22	1.2	281	2.4	277	2.8	580	2.5	810	2.1
(c) Other Occupations.....	107	3.1	96	3.2	129	2.0	392	2.6	23	1.2	221	1.9	153	1.6	100	1.6	792	2.1
Total Employed.....	5,357	19.4	2,994	22.2	6,519	36.8	14,870	25.4	1,766	70.4	11,902	58.8	9,816	77.1	23,484	66.2	38,354	83.8
Marriage.....	15		19		38		72		42		161		35		211		313	
Death or Disability.....	422		341		269		1,032		13		206		168		387		1,419	
Unemployed.....	88	4.1	48	4.8	14	1.8	180	1.3	38	6.2	378	10.4	211	19.7	657	13.1	837	16.2
To Institutions.....	151		100		171		122		1		20		66		87		509	
Unknown.....	127		49		157		333		35		1,152		1,797		2,981		3,317	
Others.....	332		87		171		590		26		201		197		124		1,011	
Total Leaving Student Life.....	6,492	23.5	3,638	27.0	7,369	41.6	17,499	29.7	1,921	76.6	14,023	69.2	12,320	96.8	28,261	79.6	45,763	
Grand Total Leaving School but Remaining in the Province.....	27,656		13,492		17,708		58,856		2,509		20,257		12,731		35,197			
Number of Elementary Pupils who ceased to attend any school without obtaining High School Entrance standing.....	4,000		2,640		1,331		10,971*											

Main Totals are expressed as a percentage of the grand total; sub-divisions as a percentage of own class.

\*This is 62.7% of all leaving Student life from elementary school.

### III—RETIREMENTS FROM THE PROVINCIAL SCHOOL SYSTEM (from School Opening, September, 1945 to School Opening, September, 1946) (as reported by Principals)

Ages—→	9 and Under	10	11	12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals	Percentage of Total Withdrawals at each grade
Grade I and Lower.....	Boys 239	11	3	1	10	4	7	1	.....	.....	.....	276	505	1.10
	Girls 205	3	5	4	4	3	3	1	.....	1	.....	229	.....	.....
Grade II.....	Boys 48	3	4	2	5	12	6	.....	.....	.....	.....	80	137	.30
	Girls 35	5	4	.....	2	5	5	1	.....	.....	.....	57	.....	.....
Grade III.....	Boys 31	13	7	5	8	31	19	13	1	.....	.....	127	190	.42
	Girls 24	7	3	3	4	12	8	1	.....	.....	.....	63	.....	.....
Grade IV.....	Boys 24	13	13	26	12	68	61	17	.....	.....	.....	234	351	.77
	Girls 20	17	7	6	14	21	25	6	1	.....	.....	117	.....	.....
Grade V.....	Boys 1	7	15	19	34	162	184	102	3	.....	.....	527	788	1.72
	Girls 6	11	8	13	26	80	76	38	3	.....	.....	261	.....	.....
Grade VI.....	Boys .....	3	9	17	61	308	530	243	9	.....	.....	1,180	1,807	3.95
	Girls .....	3	8	15	35	194	222	137	12	.....	.....	627	.....	.....
Grade VII.....	Boys .....	.....	12	37	59	452	809	632	32	.....	2	1,995	3,321	7.26
	Girls .....	1	.....	.....	180	365	432	273	24	.....	1	1,326	.....	.....
Grade VIII.....	Boys .....	.....	1	20	192	994	1,486	1,370	93	7	3	4,166	7,502	16.39
	Girls .....	.....	1	15	187	758	1,253	1,039	74	6	3	3,336	.....	.....
Grade IX.....	Boys .....	2	2	3	3	34	163	181	11	3	1	402	596	1.30
	Girls .....	.....	.....	3	2	11	91	75	8	.....	.....	191	.....	.....
Grade X.....	Boys .....	.....	.....	9	88	399	1,286	2,126	722	123	18	4,771	8,915	19.48
	Girls .....	.....	.....	9	94	451	1,434	1,719	378	50	9	4,144	.....	.....
Grade XI.....	Boys .....	.....	.....	.....	8	116	624	1,000	909	310	91	3,658	7,803	17.05
	Girls .....	.....	.....	2	13	122	820	2,066	993	176	43	4,145	.....	.....
Grade XII.....	Boys .....	.....	.....	.....	.....	2	122	572	728	457	203	2,081	4,751	10.38
	Girls .....	.....	.....	.....	.....	10	182	1,075	935	331	114	2,667	.....	.....
Grade XIII.....	Boys .....	.....	.....	.....	.....	.....	15	229	668	791	558	2,261	4,961	10.84
	Girls .....	.....	.....	.....	.....	3	36	531	1,031	776	302	2,700	.....	.....
Grade XIV.....	Boys .....	.....	.....	.....	.....	.....	1	38	266	691	1,173	2,169	4,136	9.04
	Girls .....	.....	.....	.....	.....	.....	7	198	378	714	627	1,967	.....	.....
Totals by Sex.....	Boys 345	52	52	111	479	2,582	5,313	7,124	2,441	2,382	2,049	23,930	.....	.....
	Girls 291	47	49	107	564	2,042	4,630	7,160	3,788	2,655	1,110	21,833	.....	.....
Grand Totals.....	636	99	101	218	1,043	4,624	9,943	14,284	7,229	4,437	3,149	45,763	.....	.....
Percentage of Total Withdrawals at each age.....	1.39	.22	.22	.48	2.28	10.10	21.72	31.21	15.80	9.00	6.88	.....	.....	.....



## COMPARATIVE STATISTICS

## V—PROVINCIAL POPULATION AND SCHOOL ENROLMENT

Year	Provincial Population A	Day Enrolment in Provincial School System B	Percentage of Population in Provincial School System	Day School Enrolment Classified as between		Compulsory Age Enrolment (8-15 incl.)		Compulsory Adolescent Age Enrolment (14-15 incl.)		Adolescent Age Exemptions			
				Elementary	Secondary	Number	Percentage of Day Enrolment	Number	Percentage of Day Enrolment	By Home Permit	Employment Certificates	Total	Percentage of Compulsory Adolescent Age Enrolment
1930...	3,386,000	655,413	19.4	85.5	14.5	450,740	68.8	84,021	12.8	1,369	3,151	4,520	5.4
1935...	3,575,000	679,392	19.0	83.3	16.7	490,898	72.3	102,446	15.1	1,683	2,045	3,728	3.6
1940...	3,747,000	664,373	17.7	81.8	18.2	482,094	72.6	103,509	15.6	1,885	4,871	6,756	6.5
1943-44.	3,917,000	645,308	16.5	83.6	16.4	474,093	73.5	107,119	16.5	2,053	12,541	14,597	13.6
1944-45.	3,965,000	650,979	17.4	82.8	18.2	465,839	71.6	111,023	17.1	1,874	11,911	13,785	12.4
1945-46.	4,004,000	666,451	16.6	81.8	17.2	474,974	71.3	116,920	17.5	1,454	5,905	7,359	6.3

A Source Canada Year Book.

B Commencing with 1943-44 this figure is the net enrolment for the school year; previously the figure given was the enrolment on the last school day in May.

## VI—COMPARATIVE EDUCATION COSTS IN RECENT YEARS

(on Current Operations and Capital Charges)

Average Costs in cents, Per Pupil-Day, 1944, 1945 and 1946

## A—Elementary Schools

Type	Sub-Division	Current Operations			Capital Charges			Total			Legislative Share		
		1946	1945	1944	1946	1945	1944	1946	1945	1944	1946	1945	1944
PUBLIC.....	All Ordinary Rural...	49.1	48.2	40.5	1.1	1.3	2.1	50.2	49.5	42.6	29.9	28.6	13.1
	Large Semi-Urban and Suburban.....	44.8	41.0	34.8	6.7	5.5	5.4	51.5	46.5	40.2	26.6	23.6	13.1
	All Urban.....	45.8	42.2	38.7	3.5	5.1	6.4	49.3	47.3	45.1	17.5	16.3	2.6
	Town and Village...	37.1	34.3	30.3	3.0	3.2	4.1	40.1	37.5	34.4	18.3	17.0	4.3
	City.....	50.2	46.0	42.9	3.7	6.0	6.0	53.9	52.0	48.9	17.2	16.0	1.8
	All Public.....	46.7	43.9	39.4	4.0	4.0	4.1	50.7	47.9	43.5	22.3	20.7	6.8
R.C. SEPARATE....	All Rural.....	33.8	35.1	29.4	2.5	1.6	2.7	36.3	36.7	32.1	24.2	23.7	16.0
	All Urban.....	26.6	27.2	27.0	4.4	3.8	2.9	31.0	31.0	29.9	10.5	11.0	5.5
	Town and Village...	25.4	24.3	23.6	3.3	3.3	3.4	28.7	27.6	27.0	13.1	12.8	8.1
	City.....	27.1	28.6	29.1	3.4	4.1	2.5	30.5	32.7	31.6	9.4	10.1	3.9
	All Separate.....	28.1	29.1	27.8	3.4	3.7	2.9	31.5	32.8	30.7	13.9	14.5	8.2

## B—Secondary Schools

CONTINUATION....	All.....	80.1	76.3	72.0	7.4	8.3	8.3	87.5	84.6	80.3	52.9	51.8	12.2
HIGH SCHOOLS AND COLLEGIATE INSTITUTES.....	High Schools.....	71.8	69.7	63.9	9.1	10.3	11.7	80.9	80.0	75.6	51.4	52.4	14.7
	Collegiate Institutes...	77.3	71.4	72.3	11.7	12.3	14.2	89.0	84.7	86.5	29.6	26.5	4.3
	All.....	75.2	69.2	69.1	10.6	11.6	13.2	85.8	80.8	82.3	37.7	35.9	7.0
VOCATIONAL.....	Purely Technical*	123.5	120.5	120.4	21.7	24.4	22.0	145.2	144.9	142.4	51.1	55.4	22.6
	Purely Commercial*	120.7	116.7	95.0	23.2	23.2	25.3	143.9	139.9	120.3	50.8	50.7	15.5
	All.....	113.7	111.3	99.7	21.1	22.8	22.5	134.8	134.1	122.2	60.1	59.0	17.1

## C—Special Schools

SENIOR AUXILIARY.	All.....	137.1	157.3	138.8	6.3	7.7	6.0	143.4	165.0	144.8	57.1	63.4	21.6
-------------------	----------	-------	-------	-------	-----	-----	-----	-------	-------	-------	------	------	------

\*Costs based on Toronto and Ottawa Technical and Commercial Schools only.



## VII—SCHOOL ADMINISTRATIVE UNITS

as at July 1, 1947

## Elementary Schools

School Section Boards—3,115 Public; 614 R.C. Separate; Total.....	3,729
Township School Area Boards.....	455
Union R.C. Separate School Boards.....	11
Boards of Education—Public.....	125
Total Elementary.....	4,320

## Secondary Schools

High School Boards.....	130
Continuation School Boards.....	176
Boards of Education (as above).....	125
Total Secondary.....	431

Net Total Units..... 4,626

Growth of Township School Area Boards, and consequent decrease in School Section Boards is indicated below:

	Year										Total
	Before '38	'38	'39	'40	'41	'42	'43	'44	'45	'46	
Township School areas formed..	15	15	43	26	31	35	22	61	149	58	455
School Sections dissolved.....	83	70	212	147	152	197	146	413	919	501	2,840



Courtesy Public School Argus

Centennial Road School, Scarboro



# VIII—SCHOOLS, PUPILS, TEACHERS ELEMENTARY SCHOOLS

Year	Legal Teaching Days A	Schools			Enrolment			Pupils		Teachers (excluding itinerant music teachers)							
		Number in Operation			Total	B		Average Daily Attendance c	Attendance Efficiency Percentage	Number			Certificates		Experience Average Length in Years		
		Total	Rural	Urban		Total	Rural			Urban	Total	Male	Female	First Class		Special C	Second Class and Lower D
ELEMENTARY SCHOOLS																	
1924-25	197	6,797	5,821	976	613,996	239,570	374,426	442,642	.....	.....	15,733	2,051	13,682	1,810	617	13,306	.....
1929-30	197	6,979	5,991	988	560,446	211,172	349,274	478,950	.....	.....	17,062	2,512	14,550	3,713	519	12,930	9.6
1934-35	197	7,049	6,050	999	565,777	210,879	354,898	503,815	90.8	.....	17,335	3,316	14,019	6,082	533	10,720	11.1
1939-40	198	7,120	6,106	1,014	543,323	206,719	336,604	491,855	91.9	.....	17,527	3,929	13,598	9,473	956	7,098	11.5
1944-45	198	6,884	5,741	1,143	538,710	160,748	377,962	473,414	91.0	.....	17,685	2,584	15,101	10,163	1,156	6,366	.....
1945-46	199	6,841	5,695	1,146	545,007	162,922	382,085	484,826	92.0	.....	17,970	2,891	15,079	10,521	1,097	6,352	.....
PUBLIC SCHOOLS																	
1924-25	.....	6,081	5,401	680	418,696	217,221	301,475	371,694	.....	.....	13,545	1,899	11,646	1,673	609	11,263	8.5
1929-30	.....	6,218	5,535	683	568,521	190,556	377,965	397,108	.....	.....	14,494	2,239	12,255	3,487	409	10,598	9.3
1934-35	.....	6,270	5,580	690	464,186	187,702	276,484	411,481	90.4	.....	14,518	2,349	11,469	5,593	508	8,417	9.6
1939-40	.....	6,309	5,607	713	441,143	182,570	258,573	397,196	91.6	.....	14,426	3,654	10,862	8,505	901	5,020	11.2
1944-45	.....	6,064	5,247	817	434,125	112,275	321,850	380,214	90.6	.....	11,460	2,250	12,210	8,510	1,069	4,881	.....
1945-46	.....	6,005	5,191	814	436,709	141,856	294,853	386,148	92.0	.....	14,610	2,521	12,089	8,776	1,024	4,810	.....
ROMAN CATHOLIC SEPARATE SCHOOLS																	
1924-25	.....	716	420	296	95,300	22,349	72,951	70,948	.....	.....	2,188	152	1,607	137	8	2,043	.....
1929-30	.....	761	456	305	91,925	20,616	71,309	81,842	.....	.....	2,568	183	2,036	226	10	2,332	9.5
1934-35	.....	779	470	309	101,591	23,177	78,414	92,334	92.8	.....	2,817	207	2,385	489	25	2,303	10.5
1939-40	.....	811	499	312	102,180	24,149	78,031	94,659	93.1	.....	3,101	365	2,550	968	55	2,078	11.4
1944-45	.....	820	494	326	104,285	18,473	85,812	93,200	92.3	.....	3,225	334	2,891	1,653	87	1,485	.....
1945-46	.....	836	504	332	108,298	21,066	87,232	98,678	92.0	.....	3,360	370	2,990	1,745	73	1,512	.....
PROTESTANT SEPARATE SCHOOLS E																	
1924-25	.....	5	2	3	407	57	350	298	.....	.....	11	1	10	.....	.....	11	.....
1929-30	.....	5	2	3	348	45	303	228	.....	.....	10	.....	10	.....	.....	9	.....
1934-35	.....	5	2	3	253	46	207	213	86.5	.....	9	.....	8	6	.....	2	.....
1939-40	.....	4	3	2	226	46	180	186	90.3	.....	8	2	6	1	1	3	.....
1944-45	.....	3	2	1	150	38	112	128	91.6	.....	7	1	6	1	.....	6	.....
1945-46	.....	3	2	1	156	35	121	128	91.8	.....	7	1	6	1	.....	6	.....

A In all Provincially-Controlled Schools.

B Commencing with 1943-44 the net enrollment has been taken instead of the May enrollment. Large suburban and semi-urban enrollment is contained in the urban figure.

C This includes the following: Manual Training, Household Science, Auxiliary, Kindergarten, Art, Music, Physical Culture, but excludes Itinerant Music Teachers.

D This includes Third Class, District, Permanent Ungraded, and Temporary.

E Included with Public Schools.

## SECONDARY SCHOOLS

Year	Schools	Pupils			Teachers (Full time and part time)					Experience				
		Enrol- ment *	Average Daily Attend- ance	Attend- ance Efficiency Percentage	% Grade Distribution			Number			Certificates			
					IX X	XI and XII	XIII	Total	Male		Female	Graduates	Per- centage Specialists	Per- centage Secondary School
ALL SECONDARY DAY SCHOOLS														
1929-30	436	97,270	81,477	92.7	63.4	24.3	12.3	3,390	1,618	1,772	2,428	71.6	1,911	60.4
1934-35	454	113,519	105,524	93.4	57.7	30.6	11.7	4,062	2,174	1,888	3,247	79.9	2,573	63.3
1939-40	453	121,050	115,838	93.7	57.5	32.8	9.7	4,580	2,636	1,944	3,752	81.9	3,147	68.7
1943-44	491	165,945	149,804	93.7	59.2	32.8	8.0	4,364	2,314	2,050	3,572	82.8	2,725	63.1
1944-45	495	112,316	98,211	93.1	60.8	31.2	8.0	4,475	2,360	2,115	3,646	81.2	2,694	60.2
1945-46	478	121,444	105,975	92.0	60.3	30.4	9.3	4,751	2,625	2,126	3,920	82.5	2,910	61.3
COLLEGIATE INSTITUTES AND HIGH SCHOOLS														
1929-30	205	57,475	52,496	93.5	60.9	30.4	8.7	2,047	919	1,128	1,838	89.8	1,522	74.4
1934-35	212	67,395	64,369	93.5	53.4	34.3	12.3	2,361	1,171	1,190	2,235	94.7	1,850	78.4
1939-40	228	73,102	70,944	94.6	54.0	35.3	10.7	2,762	1,505	1,257	2,587	93.7	2,213	80.1
1943-44	235	66,041	59,054	93.6	54.9	34.1	11.0	2,764	1,378	1,386	2,528	91.5	1,976	71.5
1944-45	233	73,866	65,458	94.0	56.9	32.2	10.9	2,856	1,429	1,427	2,616	91.6	1,966	68.8
1945-46	236	79,853	70,918	93.0	57.3	31.0	11.7	3,090	1,620	1,470	2,826	91.5	2,117	68.5
CONTINUATION SCHOOLS														
1929-30	214	9,368	8,349	93.3	66.9	32.3	8.8	455	167	288	53	11.6	36	7.9
1934-35	219	10,832	10,347	93.3	58.3	36.5	5.2	482	227	255	222	44.2	97	19.3
1939-40	202	10,048	9,764	91.4	59.8	36.4	3.8	579	297	272	338	50.4	203	33.7
1943-44	193	8,471	7,548	90.8	60.1	34.7	5.2	497	195	302	303	61.0	104	30.6
1944-45	196	8,997	7,872	92.6	62.2	33.6	4.2	506	197	309	288	56.9	100	19.8
1945-46	194	9,668	8,411	91.0	64.0	30.9	5.1	519	230	289	292	56.3	107	20.6
VOCATIONAL AND SENIOR AUXILIARY SCHOOLS														
1929-30	54	30,427	20,632	91.4	83.5	16.5	...	1,033	619	414	663	64.2	484	46.9
1934-35	65	35,272	30,808	93.9	73.3	25.0	1.7	1,482	911	571	987	66.6	811	54.7
1939-40	64	37,900	35,130	96.0	68.6	29.3	2.1	1,761	1,152	609	1,260	71.5	1,144	63.0
1943-44	65	31,433	26,202	92.6	68.9	29.9	1.2	1,640	1,010	630	1,205	72.8	1,028	62.1
1944-45	64	29,453	24,881	92.7	71.0	27.4	1.6	1,681	1,037	644	1,242	73.9	1,027	61.1
1945-46	18	31,923	26,646	92.0	65.5	29.8	4.7	1,560	1,026	534	1,115	71.5	927	59.4
EVENING SCHOOLS														
1929-30	67	44,431	...	...	...	...	...	1,486	954	532	...	...	...	...
1934-35	29	23,803	...	...	...	...	...	745	501	244	...	...	...	...
1939-40	52	34,983	...	...	...	...	...	1,081	773	308	...	...	...	...
1943-44	46	29,546	...	...	...	...	...	937	654	303	...	...	...	...
1944-45	46	33,109	...	...	...	...	...	1,098	739	359	...	...	...	...
1945-46	43	38,198	...	...	...	...	...	1,199	828	371	...	...	...	...
HIGH SCHOOLS														
1929-30	23	3,563	...	...	...	...	...	158	...	...	...	...	...	...
1934-35	10	2,888	...	...	...	...	...	108	...	...	...	...	...	...
1939-40	16	1,836	...	...	...	...	...	74	...	...	...	...	...	...
1943-44	6	1,361	...	...	...	...	...	61	...	...	...	...	...	...
1944-45	7	1,847	...	...	...	...	...	82	...	...	...	...	...	...
1945-46	8	1,939	...	...	...	...	...	80	...	...	...	...	...	...

\*Commencing with 1943-44 the net enrolment is used. Previous to this the May enrolment figure was used.

## IX—TEACHERS' SALARIES

(excluding Directors and Supervisors of special subjects)

## ELEMENTARY SCHOOLS

Year	Male						Female					
	High- est	Average					High- est	Average				
		Prov- ince	City	Town	Ur- ban	Rural		Prov- ince	City	Town	Ur- ban	Rural

## PUBLIC SCHOOLS

1925.....	3,600	1,645	2,294	1,797	2,101	1,148	3,500	1,142	1,443	1,082	1,318	970
1930.....	3,700	1,705	2,304	1,815	2,109	1,208	3,300	1,175	1,501	1,121	1,365	1,008
1935.....	3,700	1,376	2,180	1,390	1,922	848*	3,300	1,035	1,531	951	1,348	710*
1940-41.....	3,700	1,482	2,295	1,401	1,980	888*	3,300	1,109	1,631	1,008	1,412	760*
1945-46.....	3,900	2,088	2,648	1,884	2,365	1,419*	3,400	1,457	1,744	1,349	1,607	1,268*

## ROMAN CATHOLIC SEPARATE SCHOOLS

1925.....	2,000	911	955	772	914	899	1,800	719	698	652	685	806
1930.....	2,300	963	947	1,024	961	970	2,200	787	750	723	747	883
1935.....	2,300	843	879	940	891	738	1,800	716	677	742	701	764
1940-41.....	2,500	971	1,003	1,070	1,020	890	1,800	758	735	766	748	786
1945-46.....	2,500	1,233	1,161	1,251	1,189	1,364	2,000	971	917	915	91	1,192

## SECONDARY SCHOOLS

Year	Highest			Average				
	Principal	Male Assistant	Female Assistant	Principal	Male Assistant	Female Assistant	All Assistants	All Teachers

## COLLEGIATE INSTITUTES AND HIGH SCHOOLS

1924-25.....	5,000	4,000	3,400	3,020	2,573	2,073	2,278	2,360
1929-30.....	5,000	4,500	3,575	3,293	2,698	2,175	2,380	2,472
1934-35.....	5,350	3,700	3,600	2,907	2,355	1,937	2,125	2,191
1940-41.....	5,000	3,700	3,600	2,938	2,316	2,008	2,165	2,229
1945-46.....	5,000	3,900	3,700	3,291	2,704	2,307	2,501	2,563

## CONTINUATION SCHOOLS

1924-25.....	3,400	2,000	2,100	1,803	1,400	1,394	1,395	1,600
1929-30.....	3,550	2,000	2,400	1,833	1,379	1,352	1,358	1,576
1934-35.....	3,100	1,600	1,800	1,466	1,091	1,056	1,069	1,242
1940-41.....	2,950	2,150	2,150	1,519	1,173	1,096	1,121	1,280
1945-46.....	3,275	2,700	2,700	2,004	1,800	1,699	1,727	1,842

## VOCATIONAL SCHOOLS

1924-25.....	8,125	4,325	3,375	4,343	2,563	2,232	2,483	2,575
1929-30.....	6,600	4,700	3,575	4,274	2,660	2,356	2,531	2,612
1934-35.....	5,350	3,700	3,600	3,726	2,426	2,135	2,318	2,371
1940-41.....	5,000	3,700	3,600	3,843	2,556	2,290	2,463	2,511
1945-46.....	5,000	3,900	3,700	4,228	2,962	2,631	2,851	2,891

## SENIOR AUXILIARY SCHOOLS

1934-35.....	3,300	3,150	2,500	2,931	2,294	2,150	2,225	2,277
1940-41.....	3,600	3,000	2,600	3,301	2,578	2,298	2,440	2,505
1944-45.....	4,000	3,200	2,700	3,450	2,837	2,398	2,602	2,668
1945-46.....	4,100	3,300	2,900	3,561	2,981	2,505	2,735	2,799

\*Excluding large suburban schools

Further salary tables on pp. 104, 110, 156, 174 and 175.

## X—AVERAGE SALARIES OF TEACHERS IN ONTARIO

YEAR	SECONDARY SCHOOLS			ELEMENTARY SCHOOLS			
	Continuation Schools	High Schools and Collegiate Institutes	Vocational Schools	Public Schools		R. C. Separate Schools	
				Men	Women	Men	Women
1901-02.....		\$922		\$421	\$306	\$372	\$215
1902-03.....		934		436	313	366	224
1903-04.....		950		465	324	391	228
1904-05.....		967		485	335	384	234
1905-06.....		997		514	348	384	238
1906-07....	\$619	1,039		547	369	393	250
1907-08....	674	1,105		596	420	400	270
1908-09....	706	1,139		624	432	482	289
1909-10....	755	1,195		660	449	513	304
1910-11....	801	1,259		711	483	527	325
1911-12....	878	1,312		767	518	568	340
1912-13....	926	1,357		788	543	602	366
1913-14....	938	1,409		838	575	597	385
1914-15....	939	1,445		875	604	649	395
1915-16....	932	1,430		902	613	628	403
1916-17....	949	1,448		957	626	654	410
1917-18....	971	1,484		1,038	650	630	426
1918-19....	1,019	1,565		1,226	707	687	464
1919-20....	1,139	1,828	\$2,576	1,348	818	767	497
1920-21....	1,424	2,067	2,568	1,575	1,000	1,027	557
1921-22....	1,584	2,205	2,471	1,628	1,079	885	686
1922-23....	1,603	2,262	2,603	1,644	1,117	902	708
1923-24....	1,630	2,330	2,501	1,661	1,133	921	736
1924-25....	1,600	2,360	2,575	1,635	1,132	911	707
1925-26....	1,545	2,376	2,567	1,645	1,142	911	719
1926-27....	1,548	2,406	2,562	1,641	1,203	907	721
1927-28....	1,537	2,422	2,601	1,667	1,152	915	727
1928-29....	1,570	2,438	2,576	1,703	1,155	908	748
1929-30....	1,576	2,472	2,612	1,720	1,190	922	754
1930-31....	1,570	2,510	2,574	1,705	1,175	963	787
1931-32....	1,577	2,515	2,578	1,689	1,178	916	797
1932-33....	1,454	2,417	2,549	1,665	1,150	915	751
1933-34....	1,272	2,205	2,332	1,398	1,031	858	734
1934-35....	1,242	2,191	2,371	1,382	1,061	838	729
1935-36....	1,214	2,167	2,377	1,376	1,035	843	716
1936-37....	1,213	2,156	2,409	1,332	1,041	858	729
1937-38....	1,243	2,197	2,458	1,393	1,049	875	735
1938-39....	1,259	2,217	2,499	1,434	1,077	904	744
1939-40....	1,273	2,227	2,504	1,462	1,096	938	752
1940-41....	1,280	2,229	2,511	1,482	1,109	971	758
1941-42....	1,335	2,261	2,555	1,623	1,130	1,004	770
1942-43....	1,472	2,331	2,635	1,797	1,206	1,017	816
1943-44....	1,600	2,396	2,674	1,930	1,295	1,091	861
1944-45....	1,713	2,464	2,747	2,023	1,355	1,113	908
1945-46....	1,842	2,563	2,891	2,088	1,457	1,233	971
1946-47....	1,961	2,632	2,945	2,124	1,538	1,315	1,014

## XI—FINANCES†

## (A) Elementary Schools

Year	Legislative Grants (1)	County Grants (2)	Local Levies (3)	Current Operations (4)	Capital Charges (5)	Capital Outlays from Current Funds (6)	Total of columns 4, 5 and 6 (7)	Trans- portation (8)	Capital Outlays from Capital Funds (9)	Unmatured Debenture Principal or Capital Loan (10)
1935	\$3,013,917	\$98,404	\$24,064,876	\$25,372,263	\$4,007,155	A	\$29,379,418	*	\$525,490	*
1940	4,734,640	226,072	27,898,697	28,010,444	4,549,037	A	32,559,481	*	894,797	*
1944	6,755,831	237,417	31,214,242	31,334,878	3,527,877	A	37,862,755	*	1,701,764	\$28,820,368
1945	17,810,944	B	25,195,149	37,470,926	3,596,808	\$1,271,046	42,338,780	\$217,036	1,477,015	24,017,807
1946	19,406,061	B	25,726,780	40,420,676	3,638,151	1,597,071	45,655,898	711,865	3,025,458	25,135,085

## PUBLIC AND SEPARATE SCHOOLS

## PUBLIC SCHOOLS

1935	\$2,469,022	\$79,578	\$21,299,675	\$22,326,765	\$3,246,707	A	\$25,573,472	*	\$425,675	*
1940	3,655,340	198,477	24,836,406	24,357,802	3,886,194	A	28,243,996	*	710,489	*
1944	5,438,240	203,599	27,869,031	29,879,135	3,075,798	A	32,954,933	*	1,261,545	\$21,369,086
1945	15,413,695	B	22,325,549	32,667,230	2,977,963	\$1,061,927	36,707,120	\$214,898	941,320	17,474,878
1946	16,782,469	B	22,523,358	35,133,186	3,002,846	1,307,434	39,443,466	681,748	2,037,051	17,798,819

## R. C. SEPARATE SCHOOLS

1935	\$544,818	\$18,826	\$2,765,181	\$3,045,498	\$760,148	A	\$3,805,946	*	\$99,785	*
1940	1,079,300	27,595	3,062,291	3,652,642	662,843	A	4,315,485	*	184,308	*
1944	1,317,591	33,818	3,445,211	4,455,211	452,079	A	4,907,222	*	410,219	\$7,450,982
1945	2,397,249	B	2,869,600	4,803,696	618,845	\$269,119	5,631,660	\$2,138	535,695	6,542,929
1946	2,623,592	B	3,203,422	5,287,422	635,305	289,637	6,212,432	30,117	988,407	7,336,566

A—Included in current operations.

B—Included in local levies.

\*—Data not available.

†—As reported by School Boards.



## (B) Secondary Schools

Year	Legislative Grants (1)	County Grants (2)	Local Levies (3)	Current Operations (4)	Capital Charges (5)	Capital Outlays from Current Funds (6)	Total of columns 4, 5 and 6 (7)	Transportation (8)	Capital Outlays from Capital Funds (9)	Unmatured Debenture Principal or Capital Loan (10)
ALL SECONDARY SCHOOLS										
1935.....	\$1,799,033	\$2,077,970	\$9,706,965	\$11,322,123	\$2,798,259	A	\$14,120,382	*	\$315,199	*
1940.....	2,239,378	1,966,521	12,077,819	13,067,981	3,271,019	A	16,339,000	*	321,827	\$31,318,896
1944.....	2,224,442	2,241,129	12,576,910	14,716,615	2,808,686	A	17,514,145	*	162,468	20,919,620
1945.....	8,795,930	2,321,126	9,130,265	16,159,501	2,846,151	\$292,508	19,591,160	*	284,056	17,913,578
1946.....	9,883,576	1,318,825	10,606,208	18,597,582	2,682,565	568,527	21,818,674	\$169,308	528,612	18,610,808

## COLLEGIATE INSTITUTES AND HIGH SCHOOLS

1935.....	\$441,344	\$1,496,264	\$5,326,796	\$6,272,830	\$1,528,119	A	\$7,800,919	*	\$236,057	*
1940.....	933,007	1,253,296	6,768,555	7,105,390	1,796,527	A	8,901,917	*	80,703	\$17,071,967
1944.....	840,156	1,427,563	7,435,613	8,273,115	1,582,021	A	9,855,136	*	78,071	11,475,300
1945.....	4,968,756	1,505,569	5,227,955	9,585,020	1,603,177	\$175,829	11,364,626	*	182,123	9,990,441
1946.....	5,795,360	805,098	6,321,987	10,898,653	1,503,163	362,882	12,764,698	\$145,482	474,444	10,788,646

## CONTINUATION SCHOOLS

1935.....	\$174,764	\$337,820	\$292,471	\$755,835	\$119,710	A	\$875,545	*	\$40,347	*
1940.....	209,360	322,358	545,755	884,368	156,333	A	1,040,701	*	29,442	\$1,333,140
1944.....	187,639	369,370	165,791	1,100,549	126,689	A	1,227,238	*	46,535	973,882
1945.....	828,057	376,534	439,714	1,219,796	133,450	\$32,888	1,386,131	*	92,172	937,705
1946.....	859,759	169,164	149,026	1,291,432	118,727	43,112	1,433,601	\$23,036	31,812	588,691

## VOCATIONAL AND SENIOR AUXILIARY SCHOOLS

1935.....	\$1,162,925	\$243,886	\$1,087,198	\$1,293,458	\$1,150,430	A	\$5,143,888	*	\$38,795	*
1940.....	1,097,011	390,867	1,745,529	5,078,223	1,318,159	A	6,396,352	*	211,682	\$12,913,789
1944.....	1,196,617	448,496	1,375,486	5,342,981	1,159,976	A	6,461,771	*	37,862	8,470,438
1945.....	2,099,117	439,023	3,482,596	5,654,085	1,109,524	\$83,791	6,847,400	*	9,761	7,051,143
1946.....	3,228,457	314,563	3,835,195	6,407,497	1,000,675	162,203	7,630,375	\$790	19,356	7,233,468

A Included in current operations.

B Included in local levies.

\*—Data not available.

**XII—EXPENDITURE ON EDUCATION**  
**(a) SUMMARY OF EXPENDITURE ON EDUCATION BY MUNICIPALITIES AND PROVINCE**  
**(Provincial Expenditure limited to Department of Education)**

Year	Population <sup>1</sup>	Net Municipal Expenditure <sup>2</sup> (calendar year last shown)			Provincial Expenditure <sup>3</sup> (gov't fiscal year)			Total Expenditure	
		Amount	Per Capita	Percentage of Total Expenditures	Amount	Per Capita	Percentage of Total Expenditures	Amount	Per Capita
1875.....	1,746,000	\$3,053,897	\$ 1.749	85.851	\$503,311	\$ .288	14.149	\$3,557,208	\$ 2.037
1880.....	1,894,000	2,991,251	1.579	85.553	505,104	.267	14.447	3,496,355	1.846
1885.....	2,005,000	3,564,370	1.778	86.980	533,564	.266	13.020	4,097,934	2.044
1890.....	2,093,000	4,501,061	2.151	87.788	626,142	.299	12.212	5,127,203	2.450
1895.....	2,133,000	4,476,849	2.099	86.595	693,042	.325	13.405	5,169,891	2.424
1900.....	2,172,000	4,871,945	2.243	86.529	758,466	.349	13.471	5,630,411	2.592
1905.....	2,289,000	6,664,177	2.903	85.445	1,131,799	.494	14.555	7,775,976	3.397
1910-11.....	2,482,000	9,809,363	3.952	84.092	1,855,739	.748	15.908	11,665,102	4.700
1915-16.....	2,724,000	15,656,767	5.748	87.336	2,270,266	.833	12.664	17,927,033	6.581
1920-21.....	2,863,000	26,513,862	9.261	77.252	7,807,550	2.727	22.748	34,321,412	11.968
1925-26.....	3,111,000	41,599,060	13.372	81.675	9,333,610	3.000	18.325	50,932,670	16.372
1930-31.....	3,386,000	41,744,454	12.329	76.446	12,862,172	3.799	23.554	54,606,626	16.127
1931-32.....	3,432,000	42,647,638	12.426	76.153	13,354,377	3.891	23.847	56,002,215	16.317
1932-33.....	3,473,000	41,312,637	11.895	80.239	10,174,328	2.930	19.761	51,486,965	14.825
1933-34.....	3,512,000	37,829,063	10.771	76.852	11,394,209	3.244	23.148	49,223,362	14.015
1934-35 <sup>4</sup> .....	3,544,000	38,483,379	10.858	.....	3,429,762	.968	.....	41,913,141	11.826
1935-36.....	3,575,000	37,909,198	10.594	79.291	9,901,220	2.780	20.709	47,810,418	13.374
1936-37.....	3,606,000	38,459,526	10.665	79.254	10,067,588	2.792	20.746	48,527,114	13.457
1937-38.....	3,637,000	40,101,609	11.026	78.154	11,209,525	3.082	21.846	51,311,134	14.108
1938-39.....	3,672,000	40,960,192	11.155	76.317	12,711,071	3.461	23.683	53,671,263	14.616
1939-40.....	3,708,000	40,329,260	10.876	75.761	12,903,082	3.480	24.239	53,232,342	14.336
1940-41.....	3,747,000	42,751,872	11.410	77.297	12,556,382	3.351	22.703	55,308,254	14.761
1941-42.....	3,788,000	42,819,470	11.304	76.377	13,243,586	3.496	23.623	56,063,056	14.800
1942-43.....	3,884,000	43,250,544	11.136	75.235	14,237,034	3.665	24.765	57,487,578	14.801
1943-44.....	3,917,000	44,326,352	11.316	73.881	15,670,503	4.001	26.119	59,996,855	15.317
1944-45.....	3,965,000	35,532,098	8.961	58.953	24,740,222	6.240	41.047	60,272,320	15.201
1945-46.....	4,004,000	39,319,353	9.820	56.091	30,779,280	7.687	43.909	70,098,633	17.507

<sup>1</sup>Population—Canada Year Book.<sup>2</sup>Gross Municipal Expenditure less Provincial Grants.<sup>3</sup>Includes a grant of \$13,481 beginning 1925-26, and \$52,158 beginning 1927-28, payable annually for 20 years to the University of Toronto, on account of lands and buildings. Provincial expenditure for the Gov't. fiscal year. Municipal for the calendar year last shown.<sup>4</sup>Five Month Period.

(b) NET MUNICIPAL EXPENDITURE<sup>1</sup>

Year	Public and Separate Schools <sup>2</sup>		High Schools, Collegiate Institutes		Vocational <sup>3</sup>		Municipal Total
	Amount	Percentage of Municipal Total	Amount	Percentage of Municipal Total	Amount	Percentage of Municipal Total	
1875.....	\$ 2,808,883	91.977	\$ 245,014	8.023	.....	.....	\$ 3,053,897
1880.....	2,667,583	89.180	323,668	10.820	.....	.....	2,991,251
1885.....	3,221,029	90.367	343,341	9.633	.....	.....	3,564,370
1890.....	3,978,853	88.398	522,208	11.602	.....	.....	4,501,061
1895.....	3,861,265	86.250	615,584	13.750	.....	.....	4,476,849
1900.....	4,259,741	87.434	612,204	12.566	.....	.....	4,871,945
1905.....	5,758,239	86.666	885,938	13.334	.....	.....	6,644,177
1910.....	8,340,611	85.027	1,468,752	14.973	.....	.....	9,809,363
1915.....	13,340,738	85.207	2,316,029	14.793	.....	.....	15,656,767
1920.....	22,292,454	84.078	3,384,524	12.765	836,884	3.157	26,513,862
1925.....	31,538,440	75.815	7,510,879	18.055	2,549,741	6.129	41,599,060
1930.....	30,319,314	72.631	7,636,190	18.293	3,788,950	9.076	41,744,454
1931.....	30,145,832	70.686	8,021,178	18.808	4,480,628	10.506	42,647,638
1932.....	28,922,303	70.008	7,880,423	19.075	4,509,911	10.917	41,312,637
1933.....	26,288,216	69.492	7,435,700	19.656	4,105,147	10.852	37,829,063
1934.....	26,846,932	69.762	7,330,372	19.048	4,306,075	11.189	38,483,379
1935.....	26,340,221	69.506	7,362,531	19.422	4,197,446	11.072	37,909,198
1936.....	26,450,891	68.776	7,755,126	20.164	4,253,509	11.060	38,459,526
1937.....	27,485,955	68.541	7,512,615	18.734	5,103,039	12.725	40,101,619
1938.....	28,442,214	69.439	7,683,309	18.758	4,834,669	11.803	40,960,192
1939.....	28,270,996	70.100	7,532,259	18.677	4,526,005	11.223	40,329,260
1940.....	28,656,182	68.178	8,163,557	19.422	5,211,851	12.400	42,031,590
1941.....	28,872,136	67.877	8,363,466	19.662	5,300,384	12.461	42,535,986
1942.....	29,544,542	68.310	8,486,556	19.622	5,219,446	12.068	43,250,544
1943.....	30,986,047	68.756	8,641,500	19.175	5,439,143	12.069	45,066,690
1944.....	32,990,260	69.915	9,085,642	19.254	5,110,307	10.831	47,186,209
1945.....	25,085,913	70.601	6,596,711	18.565	3,849,474	10.834	35,532,098
1946.....	27,261,207	69.333	7,701,874	19.588	4,356,272	11.079	39,319,353

<sup>1</sup>Municipal Expenditure less Provincial Government contribution.<sup>2</sup>Includes Continuation Schools.<sup>3</sup>Vocational includes Sr. Auxiliary.

**(c) PROVINCIAL EXPENDITURE (Inc. Cap.)  
(Excluding Expenditure under Department of Agriculture)**

Government Fiscal Year	Public and Separate Schools <sup>1</sup>		High Schools		Vocational Education		Universities		Teachers Training <sup>2</sup>		Departmental Examinations		Other Miscellaneous		Provincial Total
	Amount	% of Prov. Total	Amount	% of Prov. Total	Amount	% of Prov. Total	Amount	% of Prov. Total	Amount	% of Prov. Total	Amount	% of Prov. Total	Amount	% of Prov. Total	
1875.....	274,311	54.502	\$ 86,999	17.285	\$ .....	.....	\$ .....	5.973	30,065	5.973	\$ .....	.....	111,936	22.240	\$ 503,311
1880.....	282,932	56.015	90,261	17.870	.....	.....	.....	11.092	56,025	11.092	9,375	1.856	66,511	13.167	505,104
1885.....	296,201	55.514	86,420	16.197	.....	.....	.....	8.635	46,075	8.635	11,091	2.079	93,777	17.575	533,564
1890.....	316,823	50.599	105,000	16.769	.....	.....	.....	8.857	55,458	8.857	15,277	2.440	133,584	21.355	626,142
1895.....	334,927	48.327	105,000	15.151	.....	.....	.....	9.360	64,868	9.360	26,681	3.850	161,566	23.312	693,042
1900.....	327,342	43.158	106,397	14.028	.....	.....	.....	9.398	71,275	9.398	30,703	4.018	222,749	29.308	758,466
1905.....	402,997	35.607	118,560	10.475	21,563	1.905	245,842	21.721	99,210	8.767	31,749	2.805	211,878	18.720	1,131,799
1910-11.....	1,002,491	54.021	167,414	9.021	79,121	4.264	43,072	2.321	262,156	14.127	66,689	3.594	234,796	12.652	1,855,739
1915-16.....	926,738	40.821	154,945	6.825	113,259	4.989	245,751	10.825	372,400	16.403	103,998	4.580	353,175	15.557	2,270,266
1920-21.....	3,397,143	43.511	204,409	2.618	707,223	9.058	1,413,086	18.099	450,003	5.764	196,827	2.521	1,438,839	18.429	7,807,580
1925-26.....	3,862,232	41.380	378,627	4.057	815,694	8.739	2,238,570	24.198	954,407	10.225	287,883	3.085	776,197	8.316	9,333,610
1926-27.....	1,038,330	41.997	471,351	4.902	847,198	8.811	2,238,560	23.280	922,866	9.597	319,866	3.327	777,556	8.086	9,615,727
1927-28.....	4,348,707	42.628	474,542	4.651	954,536	9.357	2,471,560	24.227	907,955	8.900	325,587	3.192	1,079,614	10.350	10,201,614
1928-29.....	1,389,755	42.082	437,834	4.197	968,196	9.281	2,344,747	22.478	860,959	8.254	350,295	3.358	1,079,614	10.350	10,201,614
1929-30.....	4,896,317	41.587	475,792	4.041	1,634,436	13.037	2,622,395	22.273	868,492	7.377	371,918	3.159	1,003,808	8.526	11,773,688
1930-31.....	5,379,932	41.828	499,398	3.883	1,584,508	12.319	3,611,788	28.081	837,780	6.514	275,953	2.144	672,813	5.321	12,802,172
1931-32.....	5,014,508	37.549	468,902	3.511	1,509,786	11.305	3,951,216	29.587	1,008,266	7.550	115,729	1.092	1,256,170	9.406	13,354,577
1932-33.....	4,341,761	42.674	421,278	4.141	1,465,922	14.408	2,493,985	21.513	718,747	7.063	100,096	.984	632,539	6.217	10,174,328
1933-34.....	4,341,091	38.098	495,400	4.032	1,855,232	16.282	2,268,433	19.909	861,336	7.559	168,292	1.477	1,440,515	12.642	11,394,299
1934-35.....	3,667,705	.....	21,163	.....	1,258,266	.....	1,610,081	.....	488,774	.....	33,420	.....	183,413	.....	3,429,762
1935-36.....	3,905,742	39.447	438,418	4.428	1,258,627	12.712	2,083,767	21.046	760,445	7.080	272,097	2.748	1,182,124	11.939	9,901,220
1936-37.....	4,054,430	40.272	499,428	4.961	1,203,918	11.950	2,127,000	21.127	746,546	7.415	281,145	2.793	1,155,091	11.473	10,067,588
1937-38.....	4,593,183	40.976	706,243	6.300	1,328,261	11.819	2,332,986	20.813	779,306	6.952	288,391	2.573	1,181,155	10.537	11,209,523
1938-39.....	5,496,377	43.005	862,451	6.785	1,626,372	12.795	2,359,752	18.565	822,229	6.469	319,083	2.510	1,254,807	9.871	12,711,071
1939-40.....	5,740,758	44.491	891,710	6.911	1,701,949	13.190	2,152,639	16.683	805,333	6.241	321,497	2.492	1,289,196	9.992	12,903,082
1940-41.....	5,496,096	43.771	857,746	6.831	1,778,548	14.104	2,167,638	17.263	776,678	6.186	197,834	1.576	1,281,842	10.299	12,556,382
1941-42.....	6,118,723	46.201	850,286	6.420	1,775,483	13.406	2,243,638	16.941	735,984	5.557	202,487	1.529	1,316,985	9.944	13,243,587
1942-43.....	6,314,862	44.355	815,794	5.730	2,449,986	17.208	2,343,638	16.462	697,604	4.900	198,538	1.395	1,416,792	9.590	14,237,034
1943-44.....	6,871,523	43.837	850,349	5.426	1,759,562	11.458	4,033,029	25.736	433,791	2.768	216,375	1.381	1,469,877	9.394	15,670,504
1944-45.....	13,611,830	55.165	2,769,995	11.226	2,726,072	11.048	2,640,448	10.551	711,730	2.884	229,595	.930	2,020,915	8.193	24,674,585

<sup>1</sup>Includes Inspection.<sup>2</sup>Includes University Grant for training H.S. Assistants.<sup>3</sup>Months Period.



## (d) YEARLY COST PER PUPIL OF AVERAGE DAILY ATTENDANCE

(Based on the total of Current Operations, Capital Charges and Capital Outlays paid from Current Funds)

Calendar Year	Public Schools		Continuation Schools		R.C. Separate Schools		High Schools and Collegiate Institutes		Vocational Schools	
	A.D.A.	Cost \$	A.D.A.	Cost \$	A.D.A.	Cost \$	A.D.A.	Cost \$	A.D.A.	Cost \$
1875.....		15.07				7.70		39.80		
1880.....		12.82				10.08		32.06		
1885.....		14.66				13.41		52.36		
1890.....		17.20				15.74		52.60		
1895.....		15.76				12.31		48.16		
1900.....		17.81				13.86		55.46		
1905.....		23.80				19.89		57.18		
1910.....		33.90				30.36		80.25		
1915.....		45.34				25.68		99.53		
1920.....		59.72		72.72		36.42		111.38		
1925.....	371,694	68.92	8,159	91.50	70,948	51.26	45,551	141.00	11,689	223.31
1930.....	397,108	74.07	9,384	117.50	81,842	46.25	56,027	145.20	23,952	180.56
1931.....	411,706	71.31	10,219	111.99	85,777	45.79	60,057	141.36	28,402	186.52
1932.....	412,113	68.85	10,625	101.15	89,804	42.51	64,829	137.32	29,496	185.53
1933.....	418,190	62.50	10,455	96.39	92,387	38.20	65,353	121.75	26,699	183.83
1934.....	416,860	61.26	10,621	92.17	93,036	40.43	65,428	118.52	29,020	181.22
1935.....	422,352	60.55	9,863	88.77	92,780	41.02	65,214	119.62	29,993	173.09
1936.....	404,011	63.38	9,011	95.07	91,104	41.91	63,311	119.60	33,612	169.44
1937.....	403,423	66.61	8,809	101.64	93,597	41.69	64,561	126.30	31,965	173.87
1938.....	408,118	68.73	9,344	100.69	95,254	43.01	67,851	126.23	33,897	170.52
1939.....	394,409	65.31	9,803	104.06	94,124	44.81	69,986	126.89	35,272	169.18
1940.....	401,882	73.76	9,638	111.05	93,868	49.13	69,134	131.38	33,264	189.66
1941.....	385,101	76.13	9,381	115.40	93,489	42.92	64,667	143.97	28,932	226.07
1942.....	380,424	77.32	8,288	132.97	91,895	47.94	62,332	148.20	25,701	239.56
1943.....	370,575	84.83	7,648	152.43	90,268	51.89	55,207	170.99	24,985	246.93
1944.....	383,567	87.66	8,075	155.45	92,780	54.49	61,052	162.51	25,853	242.25
1945.....	388,652	94.45	8,176	169.54	94,851	59.37	67,949	167.25	24,536	266.15
1946.....	388,341	101.57	8,359	173.90	98,636	62.98	71,989	173.18	25,340	272.87



**XIII—PROVINCIAL GRANTS TO SCHOOL BOARDS\***  
(paid during the calendar year)

	1945				1946						
	Elementary Schools		Secondary Academic ( <sup>1</sup> )	TOTAL	Elementary Schools		Secondary Academic ( <sup>1</sup> )	TOTAL			
	Public	Separate			Public	Separate			Total		
General Legislative Grants.....	\$15,054,682	\$2,366,092	\$17,120,773	\$5,556,523	\$3,023,124 ( <sup>3</sup> ) ( <sup>7</sup> )	\$26,000,421	\$16,505,851	\$2,558,009	\$19,063,860	\$6,406,703	\$28,652,400 ( <sup>1</sup> )
Assisted Grants( <sup>2</sup> ).....	28,603	27,211	55,815	32,690	88,501						
<b>Special Legislative Grants:</b>											
Agriculture.....	19,350	8,035	57,385	43,747	n.a.	101,132	37,694	4,571	42,265	96,451	138,716
Art( <sup>4</sup> ).....	680	120	800		800						
Auxiliary Classes.....	84,126	8,028	92,154	10,172	n.a.	102,626	83,896	7,590	91,486	9,660	101,146
Consolidated Schools( <sup>5</sup> ).....	29,227		29,227			29,227					
Fifth Classes( <sup>6</sup> ).....	135	95	230			230					
General Shop and Home Economics.....	4,496	7,070	11,566	52,628	n.a.	64,191	6,050	21,695	27,745	120,059	147,801
Inspection of Schools (Cities)( <sup>6</sup> ).....	21,733		21,733			21,733					
Kindergarten.....	16,137	142	16,279	n.a.	n.a.	16,279	18,368	120	18,488	n.a.	18,488
Manual Training and Home Economics.....	77,755	13,871	91,626	n.a.	n.a.	91,626	140,549	23,349	163,898	n.a.	163,898
Medical and Dental Inspection( <sup>8</sup> ).....	12,151	465	12,616			12,616	9,061	421	9,482		9,482
Music( <sup>9</sup> ).....	11,118	2,198	13,316	13,799	n.a.	27,145				n.a.	
Night Schools( <sup>10</sup> ).....	1,610	14	1,624	2,995	( <sup>7</sup> )	4,619				( <sup>7</sup> )	4,101
Transportation( <sup>4</sup> ).....	37,819	1,203	39,022			39,022					
Total of Special Legislative Grants	\$346,397	\$41,241	\$387,638	\$123,611		\$511,279	\$295,618	\$57,746	\$353,364	\$230,271	\$583,635
GRAND TOTAL.....	\$15,429,682	\$2,431,544	\$17,861,226	\$5,712,851	\$3,023,124	\$26,600,204	\$16,801,469	\$2,615,755	\$19,417,224	\$3,181,837 ( <sup>1</sup> )	\$29,236,035 ( <sup>1</sup> )

(1) Collegiate Institutes, High Schools and Continuation Schools.  
 (2) Paid to elementary school boards in poor financial condition; discontinued April 1, 1945. These figures include special grants paid to Cornwall in 1945 for earthquake damage; this accounts for the entry for secondary academic.  
 (3) Includes building grant.

(4) Paid only to elementary school boards; discontinued during 1945.

(5) Consolidated Schools are public elementary schools; grant discontinued during 1945.

(6) Paid to city public school boards which maintained their own inspection staff; discontinued during 1945.

(7) General Legislative Grant to Vocational Schools is for day and evening classes.

(8) Paid only to elementary school boards; discontinued during 1946.

(9) Discontinued during 1945.

(10) Night school grants to elementary school boards discontinued during 1945.

(11) Of the general legislative grants to vocational schools for 1946, \$599,000 was reimbursed to the Province by the Dominion Government.

\*Excluding payments by the Province to boards for services rendered such as education of pupils from certain unorganized areas (\$210,561 and \$190,953 in 1945 and 1946 respectively) and use of schools for practice teaching.

**NOTES**

1. A new grant scheme came into effect in 1945. As a result, many of the former special grants were discontinued.

2. Where used in the above table, "n.a." means "not applicable".

### XIV—PROFESSIONAL TEACHING CERTIFICATES ISSUED SINCE 1908 TO NEWLY QUALIFYING TEACHERS

	O.C.E. First Class	Normal School				Model School			Total	Tempo- rary	Grand Total
		First Class*	Second Class	Third Class	Kinder- garten	Annual	Summer	French			
1908-09	108		510	154	75	284			1,131	1,138	2,269
1909-10	79		559	135	64	204			1,041	962	1,943
1910-11	118		596	140	13	433	46	45	1,391	1,135	2,526
1911-12	236		641	87	9	492	265	35	1,765	1,013	2,778
1912-13	253		783	95	14	350	299	78	1,872	865	2,737
1913-14	232		948	129	19	240	311	42	1,921	706	2,627
1914-15	359		973	78	80	216	396	32	2,134	389	2,523
1915-16	366		1,070	223	219	153	352	53	2,436	275	2,711
1916-17	336		939	191	63	168	288	47	2,032	316	2,348
1917-18	186		1,365	207	17	88	252	49	2,164	380	2,544
1918-19	212		1,101	77	16	85	300	50	1,841	459	2,300
1919-20	197		1,208	89	23	70	260	50	1,897	439	2,336
1920-21	31	171	1,158		40	86	405	65	1,956	431	2,387
1921-22	30	210	1,247		30	90	492	89	2,188	269	2,457
1922-23	29	398	1,363		38	135	526	67	2,556	210	2,766
1923-24	59	460	1,481		46	86	442	103	2,677	151	2,828
1924-25	27	514	1,460		39		180	133	2,353	141	2,494
1925-26	27	527	1,321		28		105	130	2,138	143	2,281
1926-27	24	624	1,047		33		35	127	1,890	131	2,021
1927-28	17	517	752		35			81	1,402	185	1,587
1928-29	27	478	560		26			95	1,186	203	1,389
1929-30	23	535	594		32			60	1,244	195	1,439
1930-31	28	616	686		29			45	1,404	225	1,629
1931-32	33	794	778		48			71	1,724	193	1,917
1932-33	96	1,062	722		51			81	2,062	116	2,178
1933-34	138	1,081	537		33			48	1,837	54	1,891
1934-35	151	1,011	544		43			104	1,853	80	1,933
1935-36	78	885	244		20				1,227	54	1,281
1936-37	23	676	123		13				835	46	881
1937-38	27	687	217		18				949	42	991
1938-39	23	755	126						904	42	946
1939-40	19	977	118						1,114	118	1,232
1940-41	13	866	139						1,018	191	1,209
1941-42	14	929	106						1,049	604	1,653
1942-43	6	780	87						873	568	1,441
1943-44	17	698	133						848	†1,297	2,145
1944-45	8	622	*550						1,180	572	1,752
1945-46	19	789	128						936	912	1,848
1946-47		757	141						898	†1,508	2,406

\* (Includes 464 Summer Session Interim Seconds).

† (Includes 572 Deferred Seconds in 1943-44 and 297 Deferred Seconds in 1946-47).

This list does not comprise certificates issued to

- (i) those completing Normal School examinations.
- (ii) those proceeding to higher certificates.
- (iii) those trained outside of Ontario.

### XV—HIGH SCHOOL ENTRANCE EXAMINATION RESULTS

Year	Candidates		Successful Candidates						Percentage of those attempting the written test who were successful
	Number	Percentage of Grade VIII May Enrolment	By Recommendation		By Writing		Total		
			Number	Per cent.	Number	Per cent.	Number	Per cent.	
1919-20...	27,916	.....	5,202	18.6	16,849	60.4	22,051	79.0	74.2
1924-25...	40,409	77.1	10,917	27.0	20,702	51.2	31,619	78.2	70.2
1929-30...	47,438	76.5	13,896	29.3	24,598	51.9	38,494	81.1	73.3
1934-35...	55,092	84.5	28,359	51.5	17,378	31.5	45,737	83.0	65.0
1939-40...	56,832	94.2	33,236	58.5	14,706	25.9	47,942	84.4	62.3
1941-42...	48,829	97.9	30,872	63.2	12,481	25.6	43,353	88.8	69.5
1943-44...	50,355	93.8*	31,220	62.0	15,144	30.1	46,364	92.1	79.5
1944-45...	52,108	97.1*	32,505	62.4	13,273	25.5	45,778	87.9	67.7
1945-46...	54,535	94.8*	32,522	59.6	14,905	27.3	47,427	87.0	67.7

\* Of the net enrolment.

## PROFESSIONAL COURSES

## XVI—TEACHERS-IN-TRAINING IN NORMAL SCHOOLS

Year	Toronto	Hamilton	London	Stratford	Peterboro	North Bay	Ottawa	Univ. of Ottawa	Total
1935-36	265	137	148	128	96	108	151	204	1,237
1936-37	260	108	89	96	80	88	141	220	1,082
1937-38	225	130	140	95	86	65	128	198	1,067
1938-39	229	97	123	107	64	74	120	176	990
1939-40	339	117	162	108	94	102	133	185	1,240
1940-41	312	123	128	103	81	84	104	196	1,131
1941-42	282	110	172	108	93	84	116	147	1,112
1942-43	230	107	122	111	87	62	113	112	944
1943-44	241	86	101	87	81	50	101	134	882
1944-45	189	97	103	75	75	53	77	97	765
1945-46	269	87	128	113	91	66	118	147	1,019
1946-47	328	104	154	126	85	116	137	138	1,188

## XVII—DEPARTMENTAL SUMMER COURSES

## Enrolment by Subjects in recent years

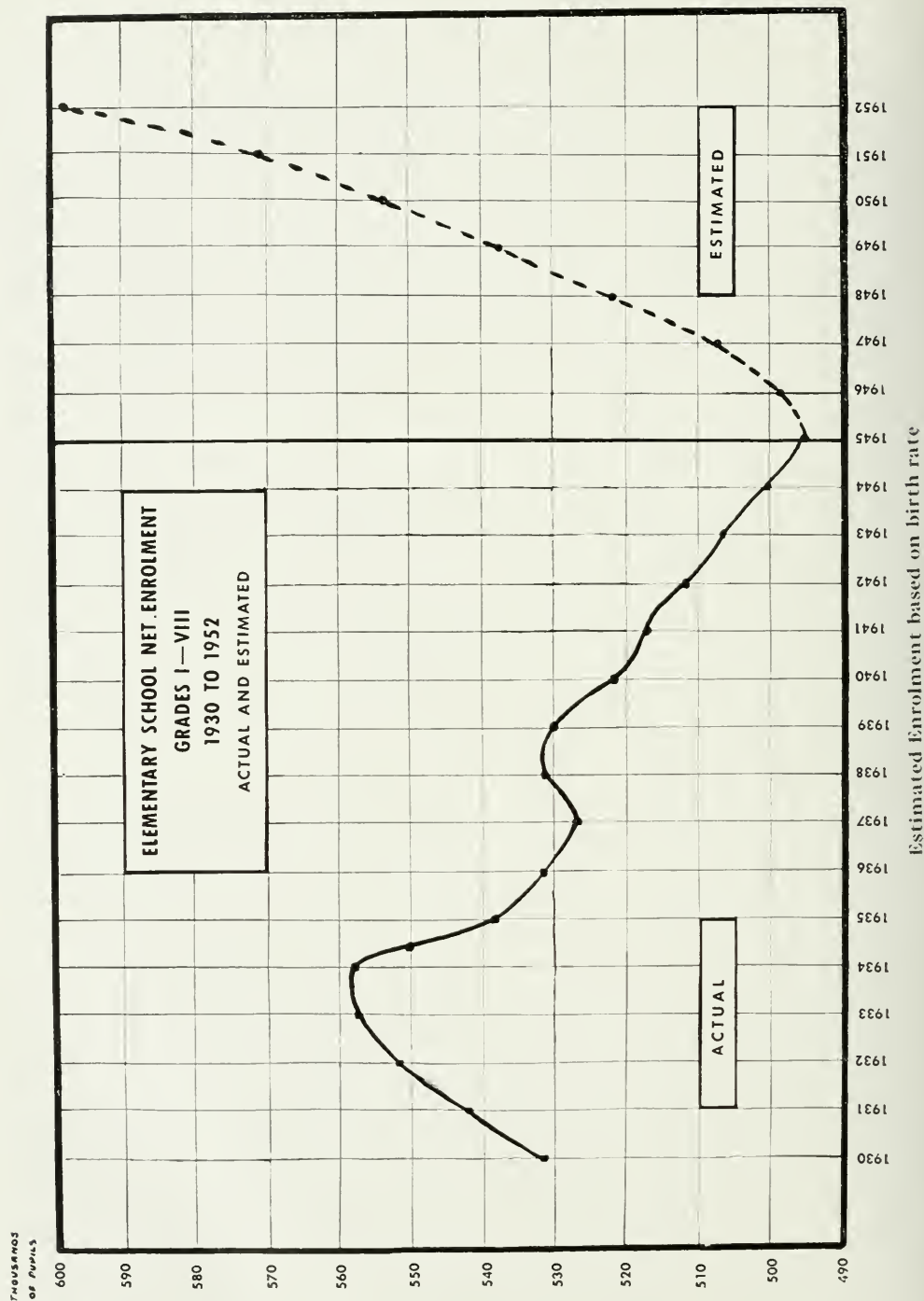
The Summer Courses are conducted by the Department of Education to enable teachers to refresh their knowledge of special subjects, acquire new skills and become acquainted with the latest developments in educational content and method.

Courses	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1945	1946
Agriculture.....	487	513	378	350	566	1,146	1,359	992	595	.....	87	104
Art.....	261	353	183	192	223	292	321	303	389	.....	144	344
Arts and Crafts.....	158	.....	66	78	109	134	130	174	178	218	127	101
Auxiliary Education...	63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cadet Corps.....	307	238	194	175	175	216	258	261	233	210	99	127
Commercial Subjects...	700	806	372	305	329	668	1,385	1,213	1,152	1,598	.....	.....
Education.....	67	99	45	53	84	176	213	305	153	.....	.....	.....
English-French.....	87	.....	24	28	55	158	413	.....	554	533	57	80
Health Teaching.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
High School Assistant's	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Household Science.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Home Economics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56	118
Guidance.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150	230
Ind. Arts and Crafts...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	133	172
Middle School.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Music—Vocal.....	276	.....	152	196	409	513	766	970	995	.....	327	432
Oral French.....	80	.....	62	59	48	46	57	45	55	.....	27	28
Physical Education.....	351	.....	314	271	271	252	199	175	225	.....	145	228
Phys. and Health Educ.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manual Training.....	64	.....	32	33	62	102	231	579	614	.....	.....	.....
Primary Methods.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	168	258
Kindergarten—Primary.	308	.....	169	205	208	279	320	308	306	487	.....	.....
Refresher English.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65
Refresher Eng. History	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Refresher Latin.....	.....	.....	.....	.....	.....	.....	.....	70	53	73	28	29
Refresher Science.....	61	.....	20	15	17	.....	.....	.....	.....	.....	34	15
Refresher History.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52	25
School Nurses.....	34	.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....
School Librarianship...	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
Shop Work—General...	.....	.....	.....	.....	.....	.....	16	.....	.....	.....	.....	.....
Special.....	.....	.....	.....	.....	.....	.....	120	.....	.....	.....	.....	.....
Upper School.....	910	.....	695	701	610	637	449	424	393	283	.....	.....
Vocational Courses.....	305	203	120	78	81	70	73	96	104	60	43	45
Vocational Guidance...	19	.....	12	20	.....	6	.....	32	27	26	.....	.....
Visual Aids.....	.....	.....	.....	.....	.....	.....	.....	.....	56	.....	.....	*33
Total.....	4,637	2,212	2,922	2,872	3,334	4,999	6,598	6,795	6,278	3,147	1,700	2,461

Because of war conditions, the general programme of Summer Courses was discontinued from 1941 to 1944, inclusive. During that period, the following courses were offered:

- 1942 —Summer Course in Defence Training, Health and Physical Education—925.
- 1942-43—Winter Course in Manual Training, Type A—40.
- 1944 —Summer Course in Physical and Health Education and Cadet Training—313.
- 1944-45—Winter Course in Manual Training Type A—48.
- 1944 —Refresher Course in Medieval History given during Christmas vacation—45.

\*Audio-visual.



**THE PUBLIC AND SEPARATE SCHOOLS**  
**TABLE 1—ENROLMENT AND ATTENDANCE, 1945-46**

CITIES	Net Enrolment for the Year			Average Daily Attendance for the Year		
	Public	Separate	Total	Public	Separate	Total
Belleville.....	1,756	485	2,241	1,527	444	1,971
Brantford.....	3,755	615	4,370	3,497	572	4,069
Chatham.....	1,963	614	2,577	1,756	579	2,335
Cornwall.....	997	2,466	3,463	865	2,330	3,195
Fort William.....	3,326	1,111	4,437	3,050	1,036	4,086
Galt.....	1,822	270	2,092	1,679	258	1,937
Guelph.....	2,402	934	3,336	2,055	873	2,928
Hamilton.....	18,720	4,444	23,164	16,299	4,092	20,391
Kingston.....	3,325	1,127	4,452	2,927	1,032	3,959
Kitchener.....	3,688	1,708	5,396	3,433	1,601	5,034
London.....	8,600	1,457	10,057	7,908	1,329	9,237
Niagara Falls.....	2,078	514	2,592	1,932	459	2,391
North Bay.....	1,270	1,562	2,832	1,159	1,430	2,589
Oshawa.....	3,219	598	3,817	3,028	548	3,576
Ottawa.....	8,859	11,122	19,981	7,652	10,255	17,907
Owen Sound.....	2,114	184	2,298	1,873	172	2,045
Peterborough.....	3,376	1,202	4,578	3,103	1,093	4,196
Port Arthur.....	2,947	679	3,626	2,726	635	3,361
St. Catharines.....	3,973	897	4,870	3,432	837	4,269
St. Thomas.....	1,914	256	2,170	1,771	217	1,988
Sarnia.....	2,344	702	3,046	2,111	638	2,749
Sault Ste. Marie.....	3,330	1,446	4,776	2,975	1,341	4,316
Stratford.....	1,952	311	2,263	1,672	282	1,954
Sudbury.....	2,364	3,529	5,893	2,235	3,358	5,593
Toronto.....	67,230	11,192	78,422	59,537	10,035	69,572
Welland.....	1,889	1,889	3,778	1,755	1,755	3,510
Windsor.....	9,797	7,321	17,118	8,925	6,792	15,717
Woodstock.....	1,573	162	1,735	1,405	151	1,556
Totals, Cities.....	170,583	56,908	227,491	152,287	52,398	204,685
COUNTIES						
Brant						
Large Semi-urban.....	383		383	329		329
Towns and Villages.....	573	58	631	507	52	559
Rural.....	2,289		2,289	1,981		1,981
Totals.....	3,245	58	3,303	2,817	52	2,869
Bruce						
Towns and Villages.....	2,023	445	2,468	1,895	420	2,315
Rural.....	2,857	459	3,316	2,455	416	2,871
Totals.....	4,880	904	5,784	4,350	836	5,186
Carleton						
Large Semi-urban.....	1,381	460	1,841	1,373	408	1,781
Towns and Villages.....	494	1,331	1,825	426	1,246	1,672
Rural.....	3,091	1,600	4,691	2,650	1,442	4,092
Totals.....	4,966	3,391	8,357	4,449	3,096	7,545
Dufferin						
Towns and Villages.....	562		562	525		525
Rural.....	1,298		1,298	1,104		1,104
Totals.....	1,860		1,860	1,629		1,629
Dundas						
Towns and Villages.....	674	31	705	619	28	647
Rural.....	1,442	22	1,464	1,251	19	1,270
Totals.....	2,116	53	2,169	1,870	47	1,917
Durham						
Towns and Villages.....	1,467		1,467	1,287		1,287
Rural.....	1,854		1,854	1,676		1,676
Totals.....	3,321		3,321	2,963		2,963
Elgin						
Towns and Villages.....	1,040		1,040	942		942
Rural.....	3,022		3,022	2,572		2,572
Totals.....	4,062		4,062	3,514		3,514
Essex						
Large Semi-urban.....	983		983	928		928
Towns and Villages.....	2,476	2,195	4,671	2,243	1,895	4,138
Rural.....	4,195	1,602	5,797	3,741	1,430	5,171
Totals.....	7,654	3,797	11,451	6,912	3,325	10,237
Frontenac						
Towns and Villages.....	126	44	170	117	42	159
Rural.....	3,202	165	3,367	2,750	129	2,879
Totals.....	3,328	209	3,537	2,867	171	3,038



TABLE 1—ENROLMENT AND ATTENDANCE, 1945-46

COUNTIES	Net Enrolment for the Year			Average Daily Attendance for the Year		
	Public	Separate	Total	Public	Separate	Total
<b>Glengarry</b>						
Towns and Villages.....	235	618	853	204	562	766
Rural.....	1,572	718	2,290	1,309	630	1,939
Totals.....	1,807	1,336	3,143	1,513	1,192	2,705
<b>Grenville</b>						
Towns and Villages.....	988	387	1,375	913	343	1,256
Rural.....	1,181	16	1,197	979	12	991
Totals.....	2,169	403	2,572	1,892	355	2,247
<b>Grey</b>						
Towns and Villages.....	1,614	109	1,723	1,486	104	1,590
Rural.....	3,969	110	4,079	3,402	87	3,489
Totals.....	5,583	219	5,802	4,888	191	5,079
<b>Haldimand</b>						
Towns and Villages.....	1,120		1,120	1,030		1,030
Rural.....	1,734		1,734	1,468		1,468
Totals.....	2,854		2,854	2,498		2,498
<b>Haliburton</b>						
Rural.....	1,182		1,182	989		989
<b>Halton</b>						
Towns and Villages.....	2,293	42	2,335	2,092	37	2,129
Rural.....	1,775		1,775	1,546		1,546
Totals.....	4,068	42	4,110	3,638	37	3,675
<b>Hastings</b>						
Towns and Villages.....	2,445	442	2,887	2,265	411	2,676
Rural.....	4,252	136	4,388	3,627	125	3,752
Totals.....	6,697	578	7,275	5,892	536	6,428
<b>Huron</b>						
Towns and Villages.....	1,775	131	1,906	1,607	121	1,728
Rural.....	3,564	252	3,816	3,107	225	3,332
Totals.....	5,339	383	5,722	4,714	346	5,060
<b>Kent</b>						
Towns and Villages.....	2,083	825	2,908	1,873	726	2,599
Rural.....	4,301	342	4,643	3,717	311	4,028
Totals.....	6,384	1,167	7,551	5,590	1,037	6,627
<b>Lambton</b>						
Towns and Villages.....	1,358		1,358	1,247		1,247
Rural.....	4,016	132	4,148	3,482	116	3,598
Totals.....	5,374	132	5,506	4,729	116	4,845
<b>Lanark</b>						
Towns and Villages.....	2,351	323	2,674	2,177	299	2,476
Rural.....	1,822	47	1,869	1,561	42	1,603
Totals.....	4,173	370	4,543	3,738	341	4,079
<b>Leeds</b>						
Towns and Villages.....	1,910	401	2,311	1,669	373	2,042
Rural.....	2,429		2,429	2,140		2,140
Totals.....	4,339	401	4,740	3,809	373	4,182
<b>Lennox and Addington</b>						
Towns and Villages.....	651		651	575		575
Rural.....	1,966	34	2,000	1,666	31	1,697
Totals.....	2,617	34	2,651	2,241	31	2,272
<b>Lincoln</b>						
Large Semi-urban.....	512		512	452		452
Towns and Villages.....	1,452	449	1,901	1,326	403	1,729
Rural.....	3,128		3,128	2,730		2,730
Totals.....	5,092	449	5,541	4,508	403	4,911
<b>Middlesex</b>						
Towns and Villages.....	938	13	951	847	12	859
Rural.....	4,920	32	4,952	4,310	25	4,335
Totals.....	5,858	45	5,903	5,157	37	5,194

TABLE 1—ENROLMENT AND ATTENDANCE, 1945-46

COUNTIES	Net Enrolment for the Year			Average Daily Attendance for the Year		
	Public	Separate	Total	Public	Separate	Total
Norfolk						
Towns and Villages.....	1,840	232	2,072	1,649	210	1,859
Rural.....	3,587	151	3,738	2,973	138	3,111
Totals.....	5,427	383	5,810	4,622	348	4,970
Northumberland						
Towns and Villages.....	1,630	230	1,860	1,438	207	1,645
Rural.....	2,346	69	2,415	1,972	52	2,024
Totals.....	3,976	299	4,275	3,410	259	3,669
Ontario						
Large Semi-urban.....	1,176		1,176	1,094		1,094
Towns and Villages.....	1,187	59	1,246	1,084	55	1,139
Rural.....	3,309	51	3,360	2,847	47	2,894
Totals.....	5,672	110	5,782	5,025	102	5,127
Oxford						
Towns and Villages.....	1,833	187	2,020	1,705	173	1,878
Rural.....	3,562		3,562	2,973		2,973
Totals.....	5,395	187	5,582	4,678	173	4,851
Peel						
Large Semi-urban.....	1,255		1,255	1,120		1,120
Towns and Villages.....	1,370		1,370	1,282		1,282
Rural.....	2,334	18	2,352	2,022	11	2,033
Totals.....	4,959	18	4,977	4,424	11	4,435
Perth						
Towns and Villages.....	1,124	37	1,161	1,006	33	1,039
Rural.....	2,894	214	3,108	2,400	195	2,595
Totals.....	4,018	251	4,269	3,406	228	3,634
Peterborough						
Towns and Villages.....	603		603	547		547
Rural.....	2,215	111	2,326	1,900	99	1,999
Totals.....	2,818	111	2,929	2,447	99	2,546
Prescott						
Large Semi-urban.....		160	160		154	154
Towns and Villages.....	359	1,389	1,748	320	1,316	1,636
Rural.....	831	1,857	2,688	706	1,602	2,308
Totals.....	1,190	3,406	4,596	1,026	3,072	4,098
Prince Edward						
Towns and Villages.....	811	54	865	719	51	770
Rural.....	1,428		1,428	1,185		1,185
Totals.....	2,239	54	2,293	1,904	51	1,955
Renfrew						
Towns and Villages.....	2,248	2,269	4,517	1,994	2,076	4,070
Rural.....	3,869	746	4,615	3,108	643	3,751
Totals.....	6,117	3,015	9,132	5,102	2,719	7,821
Russell						
Large Semi-urban.....		195	195		175	175
Towns and Villages.....	28	650	678	21	611	632
Rural.....	594	1,941	2,535	499	1,750	2,249
Totals.....	622	2,786	3,408	520	2,536	3,056
Simcoe						
Towns and Villages.....	6,447	826	7,273	5,774	753	6,527
Rural.....	5,142	184	5,326	4,370	168	4,538
Totals.....	11,589	1,010	12,599	10,144	921	11,065
Stormont						
Large Semi-urban.....	238	948	1,186	225	873	1,098
Towns and Villages.....	51		51	46		46
Rural.....	1,963	573	2,536	1,693	504	2,197
Totals.....	2,252	1,521	3,773	1,964	1,377	3,341
Victoria						
Towns and Villages.....	1,342	224	1,566	1,211	203	1,414
Rural.....	1,771	55	1,826	1,469	45	1,514
Totals.....	3,113	279	3,392	2,680	248	2,928

TABLE 1—ENROLMENT AND ATTENDANCE, 1945-46

COUNTIES	Net Enrolment for the Year			Average Daily Attendance for the Year		
	Public	Separate	Total	Public	Separate	Total
Waterloo						
Towns and Villages.....	2,655	726	3,381	2,392	692	3,084
Rural.....	3,293	368	3,661	2,936	328	3,264
Totals.....	5,948	1,094	7,042	5,328	1,020	6,348
Welland						
Large Semi-urban.....	3,258		3,258	2,997		2,997
Towns and Villages.....	3,554	116	3,670	3,288	113	3,401
Rural.....	2,715		2,715	2,409		2,409
Totals.....	9,527	116	9,643	8,694	113	8,807
Wellington						
Large Semi-urban.....	168		168	154		154
Towns and Villages.....	1,425	191	1,616	1,326	174	1,500
Rural.....	2,902	87	2,989	2,448	73	2,521
Totals.....	4,495	278	4,773	3,928	247	4,175
Wentworth						
Large Semi-urban.....	1,452		1,452	1,307		1,307
Towns and Villages.....	1,118	133	1,251	1,012	120	1,132
Rural.....	2,981	104	3,085	2,572	97	2,669
Totals.....	5,551	237	5,788	4,891	217	5,108
York						
Large Semi-urban.....	24,937	533	25,470	22,033	491	22,524
Towns and Villages.....	9,207	656	9,953	8,239	611	8,850
Rural.....	6,083	1,410	7,493	5,353	1,283	6,636
Totals.....	40,317	2,599	42,916	35,625	2,385	38,010
Totals—Counties (excluding Cities)...	229,193	31,725	255,918	196,985	28,648	225,633
DISTRICTS						
Algoma						
Towns and Villages.....	478	357	835	428	322	750
Rural.....	3,018	124	3,142	2,605	98	2,703
Totals.....	3,496	481	3,977	3,033	420	3,453
Cochrane						
Large Semi-urban.....	1,575	365	1,940	1,442	341	1,783
Towns and Villages.....	3,215	4,711	7,926	2,993	4,355	7,348
Rural.....	1,613	2,475	4,088	1,340	2,094	3,434
Totals.....	6,403	7,551	13,954	5,775	6,790	12,565
Kenora						
Towns and Villages.....	1,874	169	2,343	1,708	432	2,140
Rural.....	1,024	28	1,052	797	21	818
Totals.....	2,898	197	3,395	2,505	453	2,958
Manitoulin						
Towns and Villages.....	253	55	308	233	50	283
Rural.....	1,032	115	1,147	847	96	943
Totals.....	1,285	170	1,455	1,080	146	1,226
Muskoka						
Towns and Villages.....	1,441		1,441	1,316		1,316
Rural.....	1,779	131	1,910	1,500	121	1,621
Totals.....	3,220	131	3,351	2,816	121	2,937
Nipissing						
Large Semi-urban.....		505	505		463	463
Towns and Villages.....	233	1,649	1,882	204	1,504	1,708
Rural.....	1,866	1,249	3,115	1,554	1,075	2,629
Totals.....	2,099	3,403	5,502	1,758	3,042	4,800
Parry Sound						
Towns and Villages.....	1,772	33	1,805	1,601	29	1,630
Rural.....	2,873	17	2,890	2,450	11	2,461
Totals.....	4,645	50	4,695	4,051	40	4,091
Patricia						
Rural.....	296		296	279		279
Rainy River						
Towns and Villages.....	1,071	327	1,398	951	297	1,248
Rural.....	1,643	105	1,748	1,356	92	1,448
Totals.....	2,714	432	3,146	2,307	389	2,696

TABLE 1—ENROLMENT AND ATTENDANCE, 1945-46

DISTRICTS	Net Enrolment for the Year			Average Daily Attendance for the Year		
	Public	Separate	Total	Public	Separate	Total
<b>Sudbury</b>						
Large Semi-urban .....	1,232	862	2,094	1,192	762	1,954
Towns and Villages .....	1,264	814	2,078	1,180	755	1,935
Rural .....	3,055	2,401	5,456	2,552	2,126	4,678
Totals .....	5,551	1,077	9,628	4,924	3,643	8,567
<b>Thunder Bay</b>						
Towns and Villages .....	711	104	815	673	98	771
Rural .....	2,923	146	3,069	2,520	135	2,655
Totals .....	3,634	250	3,884	3,193	233	3,426
<b>Timiskaming</b>						
Large Semi-urban .....	2,487	1,155	3,642	2,367	1,050	3,417
Towns and Villages .....	1,351	799	2,150	1,250	715	1,965
Rural .....	1,854	669	2,523	1,538	590	2,128
Totals .....	5,692	2,623	8,315	5,155	2,355	7,510
Totals—Districts (excluding Cities)...	41,933	19,665	61,598	36,876	17,632	54,508
<b>SUMMARY—</b>						
Cities .....	170,583	56,908	227,491	152,287	52,398	204,685
Large Semi-urban .....	41,037	5,183	46,220	37,013	4,717	41,730
Towns and Villages .....	83,233	25,141	108,374	75,462	23,029	98,491
Rural .....	141,856	21,066	162,922	121,386	18,534	139,920
GRAND TOTALS .....	436,709	108,298	545,007	386,148	98,678	484,826
Increases for the year .....	2,284	4,013	6,297	6,167	5,478	11,645



*Courtesy S. B. Coon and Son, Architects, Toronto*

**Hanna Memorial School, Sarnia, Ontario**

View from interior of foyer



**TABLE 2—SUMMARY OF ELEMENTARY TEACHERS AND CERTIFICATES**  
(excluding itinerant music teachers)

**(a) School Year 1944-45**

**I—In the Public Schools of the Cities**

Teachers	Deferred Second	First	Second	Third	District	Kind.	Ho. Science	Manual Training	Auxiliary	Permanent Ungraded	Special	Temporary	Music	Totals
Men .....		721	49					96	32		11		18	927
Women .....		2,253	1,003			361	94		149		32	5	19	3,916
Totals .....		2,974	1,052			361	94	96	181		43	5	37	4,843

**II—In the Public Schools of the County Inspectorates**

Men .....	21	782	208	1	1		23					27	24	1,087
Women .....	150	4,056	2,403	14	8	110	20		21		3	237	30	7,052
Totals .....	171	4,838	2,611	15	9	110	20	23	21		3	264	54	8,139

**III—In the Public Schools of the District Inspectorates**

Men .....		146	60	1			4					19	3	236
Women .....	26	552	420	7	25	8	1		2			194	7	1,242
Totals .....	28	698	480	7	26	8	1	4	3			213	10	1,478

**IV—In the Roman Catholic Separate Schools**

Men .....	1	179	99	2			12		7		1	31	2	334
Women .....	8	1,474	1,166	29		1	19	1	24	18	2	131	18	2,891
Totals .....	9	1,653	1,265	31		1	19	13	31	18	3	162	20	3,225

**Recapitulation**

	Part I	Part II	Part III	Part IV	Totals
Men .....	927	1,087	236	334	2,584
Women .....	3,916	7,052	1,242	2,891	15,101
Totals .....	4,843	8,139	1,478	3,225	17,685

**(b) School Year 1945-46**

**I—In the Public Schools of the Cities**

Teachers	Deferred First	Deferred Second	First	Second	Third	District	Kind.	Ho. Science	Manual Training	Auxiliary	Permanent Ungraded	Special	Temporary	Music	Totals
Men .....			791	45					99	34		14		18	1,001
Women .....			2,339	935			334	92		147		38	11	15	3,911
Totals .....			3,130	980			334	92	99	181		52	11	33	4,912

**II—In the Public Schools of the County Inspectorates**

Men .....	3	921	206	1				29	4		1	52	14	1,231
Women .....	32	4,005	2,440	15		87	24		27		3	300	18	6,954
Totals .....	3	4,926	2,646	16		87	24	29	31		4	352	32	8,185

**III—In the Public Schools of the District Inspectorates**

Men .....		189	56					5	1		1	35	2	289
Women .....	5	528	425	9		7	3		4			240	3	1,224
Totals .....	5	717	481	9		7	3	5	5		1	275	5	1,513

**IV—In the Roman Catholic Separate Schools**

Men .....	1	188	115	1				12	3		1	47	2	370
Women .....	3	1,557	1,170	22	1	1	16		23	15	3	167	12	2,990
Totals .....	4	1,745	1,285	23	1	1	16	12	26	15	4	214	14	3,360

**Recapitulation**

	Part I	Part II	Part III	Part IV	Totals
Men .....	1,001	1,231	289	370	2,891
Women .....	3,911	6,954	1,224	2,990	15,079
Totals .....	4,912	8,185	1,513	3,360	17,970



(A) Public Schools of the City Inspectors	Net Enrol- ment Grades I-VIII	High School En- tran- ce Candi- dates	Per cent recom- mended	Number Writing	Percent- age of those writing who were success- ful	Total Number Success- ful	Per cent of total Appli- cants	Per cent of Net Enrol- ment	Average Age Yrs. Mos.	Destinations				
										Rural Pupils		Urban Pupils		
										Fifth Class	Second- ary School	Left School	Fifth Class	Second- ary School
Belleville.....	1,519	195	79.4	40	37.5	170	87.2	11.2	14	1	.....	.....	.....	168
Brantford.....	3,193	354	78.8	75	52.0	318	89.8	10.0	14	3	.....	.....	.....	310
Chatham.....	1,679	186	85.0	22	.....	164	88.7	9.8	14	2	.....	.....	.....	161
Hamilton.....	16,010	1,063	83.0	241	51.5	1,486	92.7	9.3	14	3	.....	.....	.....	1,332
Kitchener.....	2,993	298	80.9	57	71.9	282	94.6	9.4	14	4	.....	.....	.....	25
London.....	7,117	782	64.8	275	73.1	708	90.5	9.9	13	10	.....	.....	.....	692
Ottawa.....	2,178	952	76.1	228	67.5	878	92.2	12.2	13	9	.....	.....	.....	36
Peterborough.....	2,906	280	76.8	65	72.3	262	93.6	9.0	14	4	.....	.....	.....	842
St. Catharines.....	3,368	427	71.4	122	60.7	379	88.8	11.3	14	4	.....	.....	.....	36
Sault Ste. Marie.....	3,268	320	77.8	71	64.8	295	92.2	9.0	14	3	.....	.....	.....	240
Toronto.....	57,372	7,101	76.4	1,677	57.4	6,386	89.9	11.1	14	0	.....	.....	.....	361
Windsor.....	8,783	1,091	76.0	262	53.1	968	88.7	11.0	14	4	.....	.....	.....	278
Totals and Averages (A).....	112,118	13,269	78.8	3,064	60.1	12,001	90.4	10.7	14	1	.....	.....	608	10,753
(B) Public Schools of the County Inspectors														
Brant.....	3,196	291	51.2	142	66.9	244	83.8	7.6	14	0	.....	.....	.....	79
Bruce (in part), Huron (in part).....	4,063	447	49.2	227	71.4	382	85.5	9.4	13	10	.....	.....	.....	172
Carleton.....	4,914	506	39.7	305	64.9	399	78.9	8.1	13	11	.....	.....	.....	149
Dufferin.....	1,845	228	44.3	127	74.8	196	86.0	10.6	13	11	.....	.....	.....	59
Dundas.....	2,116	249	15.7	210	75.2	197	79.1	9.3	13	10	.....	.....	.....	67
Durham (in part) and City of Oshawa.....	4,730	589	37.9	366	85.2	535	90.8	11.3	14	1	.....	.....	.....	416
Elgin and City of St. Thomas.....	5,609	651	55.8	288	63.8	547	84.0	9.8	15	6	.....	.....	.....	21
Essex (No. 1).....	7,448	797	54.7	361	68.7	684	85.8	9.2	14	1	.....	.....	.....	282
Essex (No. 2).....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frontenac North and Addington.....	1,437	128	34.4	84	67.9	101	78.9	7.0	14	2	.....	.....	.....	72
Frontenac South (No. 1) and Lennox.....	2,210	204	27.0	149	75.2	167	81.9	7.6	14	2	.....	.....	.....	119
Frontenac South (2) and City of Kingston.....	3,449	374	53.5	174	67.0	334	89.3	9.7	13	9	.....	.....	.....	273
Glengarry (No. 1) and Prescott (in part).....	1,777	181	28.7	129	67.9	137	75.7	7.7	14	0	.....	.....	.....	24
Glengarry (No. 2).....	95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grenville.....	2,077	236	33.1	158	58.3	11	68.8	11.5	13	7	.....	.....	.....	8
Grey East.....	1,970	189	56.6	82	76.8	170	89.9	8.6	13	9	.....	.....	.....	98
Grey N., Bruce N., City of Owen Sound.....	3,487	354	79.4	73	53.4	320	90.4	9.2	14	0	.....	.....	.....	16
Grey South.....	2,926	285	46.3	153	64.7	231	81.1	9.1	14	1	.....	.....	.....	69
Haldimand.....	2,854	293	52.2	140	79.3	264	90.1	9.3	14	0	.....	.....	.....	33
Haliburton, Peterborough W., Victoria E., Hastings Centre.....	1,395	138	50.0	69	56.5	108	78.3	7.7	13	4	.....	.....	.....	56
Halton.....	2,077	428	54.0	197	79.2	387	90.4	18.6	14	1	.....	.....	.....	141
Hastings N., Nipissing (in part), Ren- frew (in part).....	1,768	231	45.0	127	73.2	197	85.3	11.1	14	1	.....	.....	.....	118
Hastings South.....	2,148	175	26.9	128	65.6	131	74.9	6.1	14	4	.....	.....	.....	57
Huron North.....	2,801	241	61.1	195	63.2	209	85.7	7.5	14	7	.....	.....	.....	29
Huron South.....	2,128	241	43.2	137	66.3	195	80.9	9.2	13	9	.....	.....	.....	87
Kent (No. 1).....	2,613	326	55.8	157	71.3	281	86.2	10.6	13	11	.....	.....	.....	102
Kent (No. 2).....	6,264	666	57.1	258	71.9	537	87.6	7.5	14	1	.....	.....	.....	274
Kent (No. 3).....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lambton (No. 1).....	3,290	313	38.0	194	67.5	246	78.6	7.4	14	5	.....	.....	.....	176
Lambton (No. 2).....	2,084	223	32.3	151	77.5	189	84.8	9.1	13	8	.....	.....	.....	108
Lambton (No. 3) City of Sarnia.....	2,270	281	88.6	32	.....	249	88.6	10.9	14	1	.....	.....	.....	20
Leamington.....	3,913	488	28.3	330	78.0	411	84.2	10.4	13	8	.....	.....	.....	51
Leeds (No. 1).....	1,798	186	40.9	110	61.8	144	77.4	8.0	13	10	.....	.....	.....	126
Leeds (No. 2).....	2,252	229	37.9	140	53.5	164	71.6	7.3	14	1	.....	.....	.....	52
Lennox and Hastings South (in part).....	1,825	177	28.1	129	71.4	141	81.4	7.9	11	2	.....	.....	.....	68

TABLE 3—HIGH SCHOOL ENTRANCE EXAMINATION RESULTS BY INSPECTORATES, 1946

(F) Public Schools of the County Inspectorates	Net Enrol- ment Grades I-VIII	High School En- trance Candi- dates	Per cent recom- mended	Number Writing	Percent- age of those writing where success- ful	Total Number Success- ful	Per cent of total Appli- cants	Per cent of Net Enrol- ment	Average Age	Successful Candidates						
										Rural Pupils			Urban Pupils			
										Fifth Class	Second- ary School	Left School	Fifth Class	Second- ary School	Left School	
Lincoln (in part)	4,579	507	61.3	196	76.0	460	90.7	10.0	14	3	229	19	15	189	5	
Middlesex East	3,297	380	57.1	163	75.4	340	89.5	10.3	14	2	301	33	6	91	2	
Middlesex West	2,514	270	40.4	161	75.4	238	88.1	9.5	14	1	121	24	132	5	5	
Norfolk	5,417	516	47.3	272	69.9	434	84.1	8.0	14	4	229	41	133	12	12	
Northumberland and Durham (No. 1)	2,756	298	17.6	151	76.8	263	88.3	9.5	14	6	97	21	133	5	5	
Northumberland	2,843	301	71.4	248	70.2	227	75.4	8.0	14	4	7	133	17	65	5	
Ontario North	1,070	206	22.3	160	87.5	186	90.3	11.5	14	4	104	32	50	3	3	
Ontario South	3,890	418	35.0	230	71.3	352	84.2	9.1	14	2	1	157	24	133	6	
Oxford North and City of Woodstock	3,391	363	57.3	155	69.7	316	87.1	9.6	14	4	1	123	16	165	10	
Oxford South	3,262	309	66.3	104	70.2	276	89.3	8.5	14	4	1	123	21	123	8	
Peel	4,926	561	41.2	330	73.0	472	84.1	9.6	14	3	2	108	28	228	24	
Perth North and Wellington (in part)	2,846	271	19.2	219	80.4	228	84.1	16.7	14	2	2	108	49	69	7	
Perth South and City of Stratford	2,085	373	19.1	190	86.8	348	93.3	8.0	14	2	7	89	17	133	2	
Peterborough East	1,987	193	59.6	78	55.1	158	81.9	8.0	14	2	11	77	20	122	5	
Peterborough West and Victoria East	1,096	253	69.2	178	76.9	235	92.9	21.1	14	2	4	66	10	27	1	
Prescott and Russell (No. 1)	1,019	132	12.1	116	79.3	108	81.8	6.5	13	11	2	24	6	57	11	
Prescott and Russell (No. 2)	403	38	26.3	28	57.1	26	68.4	4.5	14	2	4	66	10	27	1	
Prescott and Russell (No. 3)	292	25	24.0	19	26.3	11	44.0	3.8	13	10	5	33	3	106	2	
Prince Edward	2,143	245	47.0	130	62.3	196	80.0	9.1	13	11	10	85	42	106	2	
Renfrew North	3,105	294	51.7	112	80.3	266	90.5	8.6	14	1	19	106	39	99	3	
Renfrew South	2,675	266	20.3	212	79.2	222	83.4	9.3	14	1	19	52	39	3	3	
Simcoe Centre	3,079	344	52.9	162	61.2	286	81.4	9.3	14	4	7	138	23	117	8	
Simcoe East and Muskoka (in part)	3,650	365	15.3	206	66.9	297	83.4	8.1	14	5	7	18	17	206	17	
Simcoe North (No. 1)	839	81	46.9	43	48.8	59	72.8	7.0	14	1	9	17	2	30	1	
Simcoe North (No. 2)	132	80	66.7	42	100.0	6	100.0	4.5	14	7	2	6	6	6	6	
Simcoe South	1,630	221	47.0	94	60.6	184	83.3	11.3	13	11	2	130	19	52	3	
Simcoe West, Grey (in part)	2,589	270	47.4	112	76.8	237	87.7	9.2	14	4	1	91	12	123	3	
Stornoway	3,258	276	47.8	141	69.4	232	84.1	7.2	13	9	2	121	12	96	1	
Victoria West	1,517	171	62.0	82	69.1	116	85.4	9.6	14	1	17	87	21	20	1	
Waterloo (No. 1)	3,426	324	75.3	80	61.3	293	90.4	8.6	14	0	7	100	52	81	3	
Waterloo (No. 2)	3,721	364	71.4	104	77.9	341	93.7	9.2	14	3	7	119	27	24	1	
Welland East and City of Niagara Falls	3,346	431	70.0	164	64.6	385	89.3	11.5	14	4	11	92	22	23	19	
Welland South	3,391	407	59.7	269	66.2	442	82.9	7.8	13	8	12	152	23	355	11	
Welland (in part)	3,655	533	49.5	287	81.8	215	87.0	8.7	14	1	7	69	23	274	10	
Wellington	2,664	247	28.7	176	62.9	383	85.3	10.6	13	7	3	114	40	235	8	
Wellington North	3,621	449	60.3	178	62.9	547	84.3	10.0	14	2	5	165	45	159	10	
Wellington South	3,468	649	63.0	240	57.5	517	84.3	9.3	13	11	23	23	1	419	23	
Wentworth	4,118	453	60.0	181	61.9	384	89.6	9.2	11	5	82	9	23	25	28	
York (No. 1)	5,055	520	66.7	173	68.8	466	89.6	9.2	11	1	1	11	1	1020	40	
York (No. 2)	9,600	1,127	61.9	396	83.1	1,060	94.1	11.0	14	1	1	82	7	587	24	
York (No. 3 and No. 4)	5,554	641	45.9	228	85.5	611	94.9	11.0	13	4	1	52	3	352	10	
York (No. 5)	4,889	563	58.6	233	64.4	480	85.3	9.8	14	2	1	364	11	364	11	
York (No. 6)	4,154	503	62.6	188	62.8	133	86.1	9.7	13	11	1	82	7	361	10	
York (No. 7)	4,154	503	62.6	188	62.8	133	86.1	9.7	13	11	1	82	7	361	10	
York (No. 8)	4,068	455	62.6	170	73.5	440	90.1	10.1	13	10	1	140	15	213	11	
Totals and Averages (B)	237,040	25,938	51.3	12,629	71.6	22,352	86.2	9.4	14	0	353	8,124	1,593	200	11,190	592
(C) Public Schools of the District Inspectorates																
Division No. 1	3,213	320	50.6	158	62.6	261	81.6	8.1	14	6	36	30	20	165	10	
Division No. 11	2,524	265	52.5	126	70.6	228	86.0	9.0	14	8	18	40	25	106	9	

(C) Public Schools of the District Inspectorates	Net Enrolment Grades I-VIII	High School Entrance Candidates	Per cent recommended	Number Writing	Percentage of those writing who were successful	Total Number Successful	Per cent of total Applicants	Per cent of Net Enrolment	Average Age Yrs. Mos.	Successful Candidates				
										Destinations		Urban Pupils		
										Rural Pupils		Fifth Class	Secondary School	Left School
Division No. III	3,505	391	70.0	117	67.5	353	90.2	10.1	14 2	3	21	12	313	4
" IV	2,129	171	54.4	78	64.1	143	83.6	6.7	14 6	20	66	24	33	8
" V	3,966	363	66.4	122	85.2	345	95.0	8.7	14 3	5	91	15	285	
" VI	1,691	170	49.4	86	54.6	131	77.0	7.7	14 3	51	67	13		
" VII	3,157	359	47.1	151	65.5	268	74.6	8.5	14 4	29	39	14	118	10
" VIII (Part 1)	4,160	402	68.9	125	65.6	358	89.1	8.6	14 4	6	56	10	274	9
" VIII (Part 2)	218	81	46.9	43	48.8	59	72.8	5.5	14 1	7	17	2	30	1
" VIII (Part 3)	815	39	23.1	30	53.3	25	64.1	3.1	13 11	7	12	19		
" IX	2,303	279	43.5	172	80.8	246	88.1	10.7	14 4	51	117	16	55	4
" X (Part 1)	1,901	222	58.6	92	68.4	193	86.9	10.2	14 4	21	36	15	120	1
" X (Part 2)	38	4	25.0	3	33.3	2	50.0	5.3	13 8					
" XI (Part 1)	3,620	393	67.9	126	54.7	336	85.4	9.3	14 2	17	4	4	311	4
" XI (Part 2)	93	1		100.0		1			14 3	1				
" XII	350	71.4	100	72.0		322	92.0	9.3	14 2	14	38	5	247	11
" XIII (Part 1)	3,454	248	48.0	129	60.5	197	79.4	8.1	14 4	11	68	14	104	
" XIII (Part 2)	17													
" XIV (Part 1)	3,090	329	42.9	188	73.9	280	85.1	9.1	14 7	17	38	19	199	6
" XIV (Part 2)	422	27	27	27	51.8	14	51.9	3.3	13 10	8	2	4		
" XV	2,594	256	36.9	164	65.2	199	77.7	7.7	14 4	16	60	15	105	3
" XVI	2,490	208	53.3	97	74.2	183	88.0	7.3	8. R.	21	60	16	81	5
" XVII	1,964	211	43.1	120	70.0	175	82.9	8.9	14 4	16	64	11	78	6
Totals and Averages (C)	49,788	5,089	54.2	2,255	66.7	4,319	84.9	8.7	14 4	389	872	259	2,024	91
(D) Roman Catholic Separate School Inspectorates														
Division No. I	3,918	441	70.7	129	58.9	388	88.0	9.9	14 7	8	9	5	307	17
" II	4,153	317	72.6	97	59.8	288	90.9	6.9	14 3	5	12	3	188	28
" III	2,446	148	31.1	102	60.8	108	73.0	4.4	11 6	41	19	7	18	5
" IV	3,261	170	54.1	78	51.3	132	77.6	4.0	14 1	17	17	9	80	9
" V	3,958	259	23.6	198	47.5	155	59.8	3.9	14 5	10	9	6	32	10
" VI	5,199	344	57.0	148	60.8	286	83.1	5.8	14 5	30	68	8	11	158
" VII	4,592	390	64.4	139	75.5	356	91.3	7.5	14 4	22	65	1	258	9
" VIII	5,416	494	78.3	107	52.3	413	89.7	8.2	14 4	4			339	7
" IX	3,623	352	59.9	141	61.0	297	84.4	8.2	14 4	23	30	14	91	14
" X	4,027	392	61.0	153	58.8	329	83.9	8.7	14 5	26	46	10	156	23
" XI	3,590	349	63.3	128	72.7	314	90.0	8.2	14 3	21	29	15	131	16
" XII	4,250	431	74.8	114	63.0	413	91.2	9.7	14 3	20	13	8	102	33
" XIII	2,819	341	62.8	127	54.3	283	83.0	10.0	14 5	2	4		172	33
" XIV	3,883	409	66.7	136	38.2	225	70.5	8.7	14 1	2			209	26
" XV	4,142	389	64.0	140	78.6	359	92.3	8.1	14 1	11	26	9	67	16
" XVI	1,877	679	74.7	172	11.9	579	85.3	6.6	13 5	3	75	5	240	26
" XVII	11,466	656	84.8	165	59.0	615	93.8	5.4	13 1	30	30	3	428	34
" XVIII	3,934	394	58.1	174	73.8	354	89.8	9.4	14 3	20	17	5	513	5
" XIX	3,396	320	45.6	173	85.6	295	92.2	8.7	14 3	53	23	12	251	8
" XX	3,985	542	57.7	229	62.0	455	83.9	11.4	13 11	1	5	2	148	11
" XXI	4,204	390	70.8	114	68.4	354	90.8	8.4	14 1	15	32	12	212	27
" XXII	4,752	311	52.1	149	63.8	257	82.6	5.4	14 4	1	49	5	30	21
" XXIII	2,706	219	25.6	163	49.1	136	62.1	5.0	13 8	31	11	3	31	5
" XXIV	2,446	231	19.0	187	57.2	151	65.4	6.2	14 5	37	11	17	73	11
" XXV	4,492	297	44.4	165	66.1	241	81.1	5.4	14 6	23	22	15	132	20
Totals and Averages (D)	101,524	9,287	61.8	3,555	61.1	7,913	85.2	7.8	14 1	399	611	169	4,436	412
Grand Totals and Averages	500,470	53,583	60.2	21,503	67.7	46,585	86.9	9.3	14 1	1,141	9,607	2,021	29,303	1,735

**SUMMARY OF DESTINATION OF SUCCESSFUL H.S. ENTRANCE CANDIDATES**  
(nearest whole percentage)

Inspectorate	To Secondary School	To Fifth Class	Retired from School
(A) Public			
(i) City.....	90	5	5
(ii) County—Urban.....	94	1	5
Rural.....	81	3	16
Total.....	88	2	10
(iii) District—Urban.....	94	3	3
Rural.....	57	26	17
Total.....	81	11	8
(B) R. C. Separate—Urban.....	66	28	6
Rural.....	52	34	14
(C) All Schools—Urban.....	87	8	5
Rural.....	75	9	16
Total.....	84	8	8

**SUMMARY OF HIGH SCHOOL ENTRANCE EXAMINATION, 1946, AS COMPILED  
FROM THE RECORDS OF THE EXAMINATION BRANCH OF  
THE DEPARTMENT**

(This includes results of candidates from private sources)

Grade VIII net enrolment for the school year 1945-46.....	57,525
Number of High School Entrance Candidates:	
Recommended by Principal on Group II.....	32,522
Number taking written tests on Group II.....	22,013
	54,535
High School Entrance candidate percentage of 1946 Grade VIII enrolment.....	94.80%
Number of candidates successful on written test on Group II:	
By Regulation 10—(1) and (2).....	12,937
(3) and (4).....	779
(5).....	582
(6).....	181
(7).....	426
	14,905
Total Number of Successful candidates.....	47,427
Percentage of candidates who were successful.....	86.97%

(59.64% by Principals' recommendation and 27.33% by passing written test)



TABLE 4—STATISTICS OF AUXILIARY CLASSES

## OPPORTUNITY CLASSES

For backward and psychopathic children and those who have not successfully pursued the ordinary grade work, but who can be trained and whose mental age is not less than the legal school age

Centre	Number of Teachers	Enrolment at Inspection	Boys	Girls	Net Enrolment	Percentage Cared for in Opportunity, Handicraft and Special Industrial Classes	Special Departmental Grants
Barrie	1	15	11	4	1,230	1.21	\$150.00
Belleville	1	21	21		1,712	1.23	150.00
Brantford	3	47	35	12	3,697	1.25	600.00
Brockville	2	36	22	14	1,178	3.05	400.00
Chatham	1	14	9	5	1,946	2.71	150.00
Dundas	1	18	12	6	663	2.71	200.00
Fort William	1	14	9	5	3,234	.43	200.00
Galt	1	17	13	4	1,796	.94	200.00
Guelph	3	40	19	21	2,352	1.70	500.00
Hamilton	20	369	245	124	18,268	2.01	3,950.00
Hespeler	1	17	10	7	148	3.79	600.00
Kingston	3	59	35	24	3,284	1.79	600.00
Kitchener	3	48	28	20	3,605	1.33	600.00
London	7	128	78	50	8,372	1.52	1,400.00
Midland	1	18	4	14	700	2.57	200.00
Niagara Falls	2	37	31	6	2,052	1.80	300.00
North Bay—See Handicraft Classes					1,251		
Orillia	1	20	18	2	1,364	1.46	200.00
Oshawa	2	30	12	18	3,154	.95	400.00
Ottawa	7	105	69	36	8,458	1.24	1,225.00
Owen Sound	2	41	25	16	2,085	1.48	400.00
Pembroke	1	14	11	3	982	1.42	200.00
Peterborough	2	18	15	3	3,295	.54	200.00
Port Arthur					2,873		
Pictou		20	10	10	465	4.30	150.00
Ridgetown	1	15	9	6	237	6.32	150.00
St. Catharines	2	39	29	10	3,917	.99	400.00
St. Thomas	1	18	18		1,901	.94	200.00
Sarnia	1	18	12	6	2,307	.78	200.00
Sault Ste. Marie	1	19	16	3	3,268	.58	200.00
Smith's Falls	2	40	15	25	906	4.41	400.00
Sudbury	2	31	25	6	2,339	1.32	400.00
Toronto	41	750	502	248	64,465	1.16	7,980.00
Wallaceburg	1	14	11	3	629	2.22	150.00
Windsor	4	72	48	24	9,497	.75	600.00
Waterloo	1	16	11	5	981	1.63	200.00
Woodstock	1	18	7	11	1,567	1.14	200.00
No. 7 Toronto	1	22	14	8	681	3.23	150.00
York 3 and 4	9	141	98	43	10,774	1.30	1,725.00
York 5	5	87	66	21	5,564	1.56	950.00
York 6	1	22	15	7	5,169	.42	200.00
York 7	3	56	35	21	4,547	1.23	600.00
Dist. Div. II (Fort Frances)	1	13	11	2	892	1.45	150.00
Dist. Div. VII (No. 5 McKim)	1	14	6	8	288	4.86	150.00
Dist. Div. XI (Twp. Teck) (Kirkland L.)	3	59	41	18	2,187	2.69	600.00
Dist. Div. XIII	1	16	8	8	3,295	.48	200.00
<b>Total</b>	<b>150</b>	<b>2,626</b>	<b>1,739</b>	<b>887</b>			<b>\$28,380.00</b>
<b>Partial Classes</b>							
Lennox and Hastings (Napanee)	1	12	5	7	57	21.05	\$100.00
Grey South (Hanover)	1	11	7	4	2,574	.42	150.00
Huron S. (Goderich)	1	5		5	605	.82	50.00
Dist. Div. IX	1	8	3	5	1,922	.41	50.00
Dist. Div. XIV (Huntsville)	2	26	17	9	487	5.33	200.00
R.C.S.S. Dist. Div. XII (Kitchener)	1	7	5	2	1,664	.42	50.00
<b>Totals</b>	<b>7</b>	<b>69</b>	<b>37</b>	<b>32</b>			<b>\$600.00</b>
<b>R.C.S.S.</b>							
Dist. Div. VI and VII (Timmins)	1	18	18		2,879	.62	\$200.00
Dist. Div. XI (London)	1	18	10	8	1,397	1.28	150.00
Dist. Div. XIII (Hamilton)	4	67	37	30	4,444	1.50	600.00
Dist. Div. XV and XVI (Toronto)	12	199	122	77	11,192	1.77	2,400.00
Dist. Div. XIX (Ottawa)	2	33	33		11,146	.29	350.00
Dist. Div. XVIII (Kingston)	1	22	22		1,127	1.95	200.00
Dist. Div. XXIV (Hawkesbury)	1	22	22		1,170	1.88	250.00
Dist. Div. XXV (Alexandria)	1	22	17	5	322	6.83	150.00
<b>Totals</b>	<b>23</b>	<b>401</b>	<b>281</b>	<b>120</b>			<b>\$4,300.00</b>



## HANDICRAFT AND SPECIAL INDUSTRIAL CLASSES

For children thirteen years of age and over who are eligible for an Opportunity Class

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Brantford.....	2	43	26	17	\$450.00
Brockville.....	1	24	11	13	250.00
Chatham.....	1	22	22		200.00
Fort William.....	2	34	18	16	500.00
Guelph.....	1	15	15		200.00
Hamilton—Special Industrial Classes.....					
Kingston.....	1	17	17		250.00
Kitchener.....	3	53	37	16	750.00
London.....	4	93	56	37	1,000.00
Midland.....	1	17	17		250.00
Niagara Falls.....	2	36	19	17	500.00
North Bay.....	4	55	26	29	900.00
Ottawa.....	9	167	102	65	2,200.00
Peterborough.....	1	20	20		250.00
Port Arthur.....	2	41	20	21	500.00
St. Catharines.....	3	45	32	13	750.00
Sarnia.....	2	47	29	18	500.00
Sault Ste. Marie.....	2	39	23	16	500.00
St. Thomas.....	1	12		12	200.00
Smith's Falls.....	2	27	27		300.00
Toronto.....	25	599	499	100	5,700.00
Toronto—Special Industrial Classes.....					
Welland.....	1	24	24		250.00
Windsor.....	4	109	88	21	800.00
Woodstock.....	1	19	19		250.00
York 111 (Warren Park).....	5	104	104		1,000.00
Dist. Div. I (Kenora).....	1	19	14	5	200.00
Dist. Div. XI (Kirkland Lake).....	2	43	23	20	500.00
R.C. Div. II (Sudbury).....	1	22	22		250.00
R.C. Div. VIII (Windsor).....	2	49	49		450.00
R.C. Div. XII (Kitchener).....	1	17	17		250.00
R.C. Div. XV (Toronto).....	1	32	32		200.00
R.C. Div. XX1 (Ottawa).....	3	63	19	44	750.00
Totals.....	91	1,907	1,427	480	\$21,050.00

## SANATORIUM, PREVENTORIUM AND HOSPITAL CLASSES

For children in sanatoria, preventoria, hospitals, or home for the incurable

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
<b>Hospital:</b>					
Fort William.....	1	7	3	4	\$200.00
Hamilton.....	1	36	18	18	150.00
London.....	1	16	7	9	200.00
Port Arthur.....	1	17	8	9	150.00
Toronto.....	6	142	65	77	1,000.00
Totals.....	10	218	101	117	\$1,700.00
<b>Preventorium:</b>					
Toronto.....	1	27	14	13	\$200.00
<b>Sanatoria:</b>					
Fort William.....	1	39	18	21	\$625.00
Gravenhurst.....	8	140	70	70	2,570.00
Freeport.....	1	52	26	26	650.00
Hamilton.....	10	164	50	114	1,600.00
London.....	6	104	54	50	3,212.00
Niagara Peninsula.....	1	28	14	14	625.00
Weston.....	4	196	112	84	1,518.00
Totals.....	31	723	344	379	\$13,800.00

## ORTHOPAEDIC CLASSES

For children who are disabled

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Ottawa .....	2	34	12	22	\$1,150.00
Toronto .....	5	72	41	31	3,000.00
Totals .....	7	106	53	53	\$4,150.00

## OPEN AIR CLASSES

For delicate, anaemic, or undernourished children. Classes are held in parks, or in classrooms with one side to the sun and air

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Toronto P.S. ....	15	452	205	247	\$2,490.00
Toronto R.C.S.S. ....	2	59	25	34	400.00
Totals .....	17	511	230	281	\$2,890.00

## ORAL, LIP-READING, HARD-OF-HEARING AND SPEECH CORRECTION CLASSES

For children who are deaf, partially deaf or have speech defects

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
<b>Hard-of-Hearing:</b>					
Toronto .....	4	48	21	27	\$800.00
York 3 and 4 .....	1	10	2	8	200.00
York 5 .....	1	7	3	4	450.00
Totals .....	6	65	26	39	\$1,450.00
<b>Oral:</b>					
Hamilton .....	2	15	10	5	\$1,400.00
London .....	1	10	7	3	700.00
Ottawa .....	1	15	5	10	450.00
Toronto .....	5	40	21	19	3,500.00
Totals .....	9	80	43	37	\$6,050.00
<b>Speech Correction and Lip Reading:</b>					
Hamilton .....	2	709	354	355	\$400.00
Ottawa .....	2	105	56	49	275.00
Kitchener .....	1	211	137	74	200.00
Toronto .....	6	1,083	541	542	1,200.00
Windsor .....	1	211	137	74	150.00
York 3 and 4 .....	2	347	108	239	400.00
York 5 .....	1	257	176	81	200.00
Totals .....	15	2,923	1,509	1,414	\$2,825.00

## SIGHT SAVING CLASSES

For children whose sight prevents them from making satisfactory progress, or whose eyes would be impaired by using ordinary text books

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Hamilton .....	1	16	9	7	\$200.00
London .....	1	11	4	7	200.00
Ottawa .....	1	9	4	5	150.00
Toronto .....	5	61	37	24	1,000.00
York 5 .....	1	8	4	4	200.00
Totals .....	9	105	58	47	\$1,750.00

## VISITING TEACHER CLASSES

For children who are eligible but unable to attend school on account of a disability which will confine them for a period of not less than 3 months

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Hamilton.....	5	36	20	16	\$592.00
Kitchener.....	1	38	17	21	200.00
Peterborough.....	1	16	13	3	200.00
Toronto P.S.....	11	236	132	104	1,050.00
Toronto R.C.S.S.....	1	18	9	9	200.00
Windsor.....	1	11	6	5	150.00
York 3 and 4.....	3	57	27	30	436.00
York 5.....	2	41	24	17	360.00
R.C. Div. XII (Kitchener).....	1	15	11	4	200.00
Totals.....	26	468	259	209	\$3,388.00

## INSTITUTIONAL CLASSES

For inmates of children's homes, shelters, orphanages, etc.

Centre	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Toronto.....	1	26	15	11	\$200.00

## OPPORTUNITY UNITS

For backward and psychopathic children and those who cannot successfully pursue the ordinary grade work, but who can be trained and whose mental age is not less than the legal school age

Inspectorate	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Bruce E.....	2	30	24	6	\$135.00
Glengarry.....	1	4	3	1	15.00
Grey E.....	3	6	4	2	30.00
Grey S.....	4	13	9	4	65.00
Haldimand.....	3	13	10	3	65.00
Haliburton.....	3	7	3	4	35.00
Halton.....	1	7	5	2	35.00
Huron S.....	3	6	5	1	28.00
Lanark.....	1	2	2	.....	10.00
Leeds 2.....	20	80	46	34	400.00
Middlesex W.....	1	1	1	.....	5.00
Norfolk.....	8	31	15	16	155.00
Northumberland and Durham.....	1	1	1	.....	5.00
Ontario S.....	6	11	11	.....	55.00
Oxford N.....	1	1	1	.....	5.00
Peel.....	1	3	3	.....	15.00
Perth N. and Wellington (in part).....	2	5	3	2	10.00
Peterborough E.....	2	18	13	5	30.00
Renfrew N.....	1	2	2	.....	10.00
Renfrew S.....	3	3	3	.....	15.00
Simcoe Centre.....	2	5	3	2	30.00
Simcoe E.....	1	2	2	.....	10.00
Welland E.....	2	2	2	.....	10.00
Welland S.....	9	62	54	8	300.00
Welland (in part).....	3	23	19	4	115.00
Dist. Div. VIII.....	6	9	5	4	45.00
R.C. Div. VIII.....	1	8	4	4	24.00
Totals.....	91	355	253	102	\$1,657.00

**RURAL AND URBAN HOME INSTRUCTION UNITS**  
**For sick and crippled children who cannot attend school**

Inspectorate	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Bruce E., Grey (part), Huron (part).....	1	1		1	\$10.00
Dufferin.....	2	2	1	1	72.00
Durham (in part).....	1	4	1	3	64.00
Elgin.....	9	9	5	4	212.00
Halton.....	2	3	2	1	54.00
Lambton 3.....	3	3	3		84.00
Lincoln (St. Catharines).....	12	12	7	5	325.00
Lincoln.....	1	1		1	40.00
Lanark.....	1	4	2	2	32.00
Middlesex (London).....	10	10	6	4	200.00
Middlesex.....	2	2		2	80.00
Oxford N.....	4	4	2	2	152.00
Peel.....	2	2	2		64.00
Welland E.....	6	9	5	4	157.00
Wellington S.....	4	4		4	132.00
Wentworth.....	1	1		1	16.80
York 2.....	2	2	2		30.00
York 6.....	2	7	4	3	192.00
York 7.....	17	17	12	5	448.00
Dist. Div. V.....	4	4	2	2	114.00
Dist. Div. XII.....	3	3	2	1	112.00
Dist. Div. XIV.....	1	1	1		40.00
R.C. Dist. Div. VI.....	3	3	3		120.00
R.C. Dist. Div. VIII.....	4	8	6	2	164.00
R.C. Dist. Div. X.....	1	1	1		12.00
R.C. Dist. Div. XI.....	1	3	2	1	120.00
R.C. Dist. Div. XIV.....	1	1		1	40.00
Totals.....	100	121	71	50	\$3,116.80

**RURAL AND URBAN SIGHT SAVING UNITS**  
**For children with defective eyesight**

Inspectorate	No. of Teachers	No. of Pupils	Boys	Girls	Grants
Brant.....	3	4	2	2	\$30.00
Bruce.....	1	1		1	7.50
Carleton.....	3	3	1	2	22.50
Dundas.....	1	1	1		7.50
Durham.....	1	1		1	7.50
Elgin.....	1	1		1	7.50
Essex.....	1	1		1	7.50
Frontenac S.....	1	1	1		7.50
Grenville.....	2	3	2	1	15.00
Grey N. and Bruce N.....	1	1		1	7.50
Grey South.....	1	1	1		5.00
Hastings S.....	2	3	1	2	22.50
Lambton 2.....	1	2	1	1	15.00
Lanark.....	1	1		1	5.00
Lincoln (St. Catharines).....	3	3	1	2	22.50
Lincoln.....	2	2	2		15.00
Middlesex W.....	1	1	1		7.50
Ontario S.....	2	2		2	15.00
Peel.....	1	1		1	7.50
Perth N. and Wellington (part).....	1	1		1	7.50
Prescott and Russell.....	2	2	2		15.00
Prince Edward.....	1	1	1		7.50
Renfrew N.....	1	7	4	3	52.50
Simcoe Centre.....	1	2		2	15.00
Simcoe East.....	1	1		1	7.50
Waterloo.....	1	2	2		7.50
Welland (Niagara Falls).....	1	1	1		7.50
Wellington N.....	1	2		2	15.00
Wellington S.....	1	1		1	7.50
Wentworth.....	2	2	2		15.00
York 3 and 4.....	2	2	1	1	15.00
York 6.....	1	1	1		7.50
Dist. Div. I.....	1	1	1		7.50
Dist. Div. II.....	2	2	1	1	15.00
Dist. Div. III (Port Arthur).....	1	1	1		7.50
Dist. Div. IV.....	2	2	2		15.00
Dist. Div. V.....	4	4	1	3	30.00
Dist. Div. X.....	2	2	1	1	15.00
R.C. Dist. Div. VIII.....	1	3	3		22.50
R.C. Dist. Div. IX.....	1	1	1		7.50
R.C. Dist. Div. XVI.....	1	1	1		7.50
R.C. Dist. Div. XVI.....	2	2		2	15.00
R.C. Dist. Div. XVIII.....	1	1		1	7.50
Totals.....	63	78	40	38	\$565.00

TABLE 5—AGE-GRADE DISTRIBUTION IN ELEMENTARY SCHOOLS ATTENDED BY FRENCH-SPEAKING PUPILS,  
SCHOOL YEAR 1945-46

## (A) Separate and Public Schools

## (i) RURAL AND URBAN

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY	Boys Girls	5 2	6 15	4 3	1												16 20	36
GRADE I	Boys Girls	69 74	1,383 1,380	1,696 1,699	657 500	172 125	60 34	16 17	17 12	8 2	3	3					1,089 3,757	7,846
GRADE II	Boys Girls	1 47	33 47	820 973	1,371 1,312	668 504	304 178	105 65	36 22	24 7	11 2	3	1				3,377 3,112	6,489
GRADE III	Boys Girls			38 91	713 919	1,157 1,055	754 547	397 241	171 86	87 32	23 10	6	2	1			3,349 2,992	6,341
GRADE IV	Boys Girls			8 1	99 110	612 780	962 1,041	654 570	369 274	201 125	89 56	22 21	5 3				3,021 2,982	6,003
GRADE V	Boys Girls				1 2	81 70	564 611	905 941	701 617	446 370	238 136	90 41	20 9	1			3,030 2,828	5,878
GRADE VI	Boys Girls					3 6	96 129	454 620	735 794	653 558	388 291	186 125	40 21	3 7			2,558 2,551	5,109
GRADE VII	Boys Girls						4 13	79 141	391 569	652 736	532 461	286 245	63 57	4			2,011 2,226	4,237
GRADE VIII	Boys Girls							6 15	108 183	378 519	629 780	520 453	222 159	28 19	1		1,892 2,128	4,020
GRADE IX	Boys Girls							2	30	42 128	101 208	134 63	85 30	30 9	1		398 621	1,019
GRADE X	Boys Girls								1 3	6 28	48 97	80 138	79 123	32 46	6 12	1	253 449	702
JR. AUXILIARY CLASSES	Boys Girls						6 9	8 2	5 11	16 12	30 7	39 1	18 4	7 1			141 48	189
TOTALS BY SEXES	Boys Girls	5 2	75 76	1,422 1,442	2,566 2,677	2,844 2,843	2,699 2,540	2,753 2,553	2,624 2,619	2,543 2,631	2,092 2,053	1,369 1,219	535 442	105 87	9 13	1	21,155 23,711	
GRAND TOTALS		7	151	2,864	5,243	5,687	5,289	5,306	5,174	5,030	4,145	2,588	977	192	22	1	47,809	

NOTE:—Heavy lines denote ideal age spread for each grade.





## (iii) URBAN

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN-PRIMARY	Boys Girls	5 2	6 15	4 3	1												16 20	36
GRADE I	Boys Girls	22 36	891 883	1,047 1,004	373 267	96 71	26 14	8 10	7 5	2 1		1					2,472 2,292	4,764
GRADE II	Boys Girls		14 29	561 675	906 863	372 290	153 115	44 35	13 12	9 2	5 1						2,078 2,021	4,099
GRADE III	Boys Girls			17 61	457 623	719 665	437 319	234 140	105 47	42 19	12 2	5 5					2,078 1,881	3,959
GRADE IV	Boys Girls			7	74 76	398 512	643 714	403 356	227 180	112 81	49 26	10 13	2 1				1,925 1,960	3,885
GRADE V	Boys Girls					45 34	379 348	602 603	423 434	273 264	150 94	64 29	15 7		1		1,952 1,811	3,766
GRADE VI	Boys Girls					1	70 67	322 415	487 549	417 374	257 207	131 91	28 15	3 6			1,716 1,721	3,440
GRADE VII	Boys Girls							49 85	268 399	441 508	361 326	210 178	46 38	2 2			1,377 1,342	2,919
GRADE VIII	Boys Girls							2 4	68 113	257 329	414 512	318 307	173 112	23 18	1		1,286 1,395	2,681
GRADE IX	Boys Girls							3 2	32 28	32 107	76 148	100 126	68 38	27 4			306 418	751
GRADE X	Boys Girls								1 3	5 27	33 80	61 105	55 85	26 32	6 10	1	194 344	538
JR. AUXILIARY CLASSES	Boys Girls					6	9	8 2	5 11	16 12	30 12	39 7	18 4	7 1			141 48	189
TOTALS BY SEXES	Boys Girls	27 38	911 927	1,636 1,743	1,813 1,829	1,667 1,572	1,737 1,583	1,672 1,654	1,607 1,781	1,606 1,724	1,393 1,407	969 856	405 300	88 64	9 11	1	15,541 15,489	
GRAND TOTALS		65	1,838	3,379	3,642	3,239	3,320	3,326	3,388	3,330	2,800	1,825	705	152	20	1	31,030	

NOTE:—Heavy lines denote ideal age spread for each grade.

(B) Separate Schools  
(i) RURAL AND URBAN

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY	Boys Girls	5 2	6 15	4 3	1												16 20	36
GRADE I	Boys Girls	59 68	1,265 1,291	1,567 1,446	593 444	152 112	52 31	15 16	17 11	7 2	2	3					3,737 3,424	7,161
GRADE II	Boys Girls	1	30 44	754 905	1,266 1,202	604 451	259 162	85 55	30 17	20 6	8 2	3 1	1				3,061 2,846	5,907
GRADE III	Boys Girls			33 88	646 851	1,065 974	692 482	353 220	149 72	73 3	22 7	6 3	1 2	1			3,041 2,730	5,771
GRADE IV	Boys Girls			7	90 98	563 736	904 942	611 537	336 249	186 115	80 47	15 17	5 3				2,797 2,745	5,542
GRADE V	Boys Girls				1	70 65	515 535	829 870	652 604	414 343	219 125	82 35	20 8	1	1		2,803 2,587	5,390
GRADE VI	Boys Girls						3 5	430 563	680 746	591 526	355 275	172 119	37 21	3 6			2,361 2,372	4,733
GRADE VII	Boys Girls						3 11	74 136	363 527	610 682	491 427	266 229	62 54	2 3			1,871 2,069	3,940
GRADE VIII	Boys Girls							6 13	91 161	349 477	575 734	489 421	211 152	28 18	1		1,750 1,976	3,726
GRADE IX	Boys Girls								4 2	41 124	99 202	131 176	85 59	30 9			300 602	902
GRADE X	Boys Girls								1 2	6 28	47 95	79 136	78 122	31 42	6 12	1	249 140	689
JR. AUXILIARY CLASSES	Boys Girls						6 9	8 5	11 16	16 30	39 12	39 7	18 4	7 1	1	111 18	189	
TOTALS BY SEXES	Boys Girls	5 2	65 70	1,301 1,350	2,365 2,442	2,599 2,596	2,463 2,274	2,411 2,416	2,328 2,430	2,313 2,346	1,928 1,926	1,285 1,145	518 126	102 80	9 13	1	22,217 21,850	
GRAND TOTALS		7	135	2,651	4,807	5,195	4,806	4,798	4,827	4,659	3,854	2,430	911	182	22	1	41,076	

NOTE: Heavy lines denote ideal age spread for each grade.

## (ii) RURAL

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY																		
Boys																		
Girls																		
Boys	5	37	403	558	244	58	26	7	10	5	2	3					1,358	
Girls	2	32	434	499	191	41	17	7	6	1							1,230	
GRADE I																		
Boys		1	16	209	396	241	115	43	18	12	5	2	1				1,059	
Girls			15	247	385	172	53	24	6	4	2	1					910	
GRADE II																		
Boys				16	206	349	254	134	52	37	10	1	1	1			1,061	
Girls				28	251	340	178	87	27	13	6	1	2				936	
GRADE III																		
Boys					16	174	271	220	124	77	34	8	3				927	
Girls					22	233	254	192	77	38	22	6	2				846	
GRADE IV																		
Boys																		
Girls																		
GRADE V																		
Boys																		
Girls																		
GRADE VI																		
Boys																		
Girls																		
GRADE VII																		
Boys																		
Girls																		
GRADE VIII																		
Boys																		
Girls																		
GRADE IX																		
Boys																		
Girls																		
GRADE X																		
Boys																		
Girls																		
JR. AUXILIARY CLASSES																		
Boys																		
Girls																		
TOTALS BY SEXES	5	38	419	783	863	849	838	788	790	763	574	341	115	13			7,183	
GRAND TOTALS	7	70	868	1,557	1,716	1,672	1,600	1,619	1,503	1,435	1,121	653	244	32	2		14,099	

Note: Heavy lines denote ideal age spread for each grade.

## (iii) URBAN

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN-PRIMARY	Boys Girls	5 2	6 15	4 3	1												16 20	36
GRADE I	Boys Girls	22 36	862 857	1,009 947	349 253	94 71	26 14	8 9	7 5	2 1							2,79 2,194	4,573
GRADE II	Boys Girls		14 29	545 658	870 817	363 279	141 109	42 31	12 11	8 2	3	1					2,002 1,936	3,938
GRADE III	Boys Girls			17 60	440 597	716 634	438 304	219 133	97 45	36 18	12 1	5 2					1,980 1,794	3,774
GRADE IV	Boys Girls			7	74 70	389 503	633 688	391 345	212 172	109 77	46 25	7 11	2				1,870 1,899	3,769
GRADE V	Boys Girls					45 33	366 325	583 577	408 417	263 257	143 89	59 27	15 7			1	1,883 1,733	3,616
GRADE VI	Boys Girls					1	70 66	321 395	174 533	399 367	250 202	125 90	27 15	3			1,670 1,674	3,344
GRADE VII	Boys Girls							49 85	258 387	431 491	352 317	203 173	46 38	2			1,341 1,498	2,839
GRADE VIII	Boys Girls							2 4	61 106	249 318	405 506	342 301	172 110	23 17	1		1,255 1,362	2,617
GRADE IX	Boys Girls								3 27	32 104	75 147	99 120	68 37	27 4		1	304 442	746
GRADE X	Boys Girls								1 3	5 27	38 80	61 104	55 85	26 32	6	1	193 343	536
JR. AUXILIARY CLASSES	Boys Girls					6	9	8 2	5 11	16 12	30 12	39 7	18 4	7	1		111 48	189
TOTALS BY SEXES	Boys Girls	27 38	882 901	1,582 1,608	1,736 1,743	1,614 1,520	1,680 1,511	1,623 1,585	1,538 1,717	1,550 1,674	1,354 1,379	941 836	463 297	88 62	9 11	1	15,034 14,943	
GRAND TOTALS		65	1,783	3,250	3,479	3,134	3,196	3,208	3,255	3,224	2,733	1,777	700	150	20	1	29,977	

NOTE: Heavy lines denote ideal age spread for each grade.



**(C) Public Schools**  
**(i) RURAL AND URBAN**

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY	Boys Girls																	
GRADE I	Boys Girls	10 6	118 89	129 163	64 56	20 13	8 3	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	352 333	685
GRADE II	Boys Girls		3 3	66 68	105 110	64 53	45 16	20 10	6 5	4 1	3 1	3 1	3 1	3 1	3 1	3 1	316 266	582
GRADE III	Boys Girls			3 3	67 68	92 81	62 65	44 24	22 14	14 1	1 3	1 3	1 3	1 3	1 3	1 3	308 262	570
GRADE IV	Boys Girls			1 1	9 12	49 44	58 99	43 33	33 25	15 16	9 9	7 4	7 4	7 4	7 4	7 4	224 237	461
GRADE V	Boys Girls					11 5	49 76	76 71	52 43	32 27	19 11	8 6	8 1	8 1	8 1	8 1	247 241	488
GRADE VI	Boys Girls						6 18	24 57	55 48	62 32	33 16	14 6	3 3	3 1	3 1	3 1	197 179	376
GRADE VII	Boys Girls						1 2	5 2	28 42	42 54	41 34	20 16	1 3	1 1	1 1	1 1	140 137	297
GRADE VIII	Boys Girls								17 22	29 42	54 46	31 32	11 7	11 7	11 7	11 7	142 152	294
GRADE IX	Boys Girls								2 1	1 4	2 6	3 4	3 1	3 1	3 1	3 1	8 19	27
GRADE X	Boys Girls										1 2	1 2	1 1	1 1	1 1	1 1	4 9	13
JR. AUXILIARY CLASSES	Boys Girls																	
TOTALS BY SEXES	Boys Girls	10 6	121 92	201 235	215 247	236 197	229 279	213 203	215 201	200 171	161 127	81 74	17 16	3 7	3 7	3 7	1,938 1,855	
GRAND TOTALS		16	213	436	492	433	508	416	416	371	291	158	33	10	10	10	3,793	

NOTE: Heavy lines denote ideal age spread for each grade.

## (ii) RURAL

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN-PRIMARY	Boys Girls																	
GRADE I	Boys Girls	10 6	89 63	91 106	40 42	18 13	8 3	1	1	1	1	1					259 235	494
GRADE II	Boys Girls		3 3	50 51	69 64	55 42	36 10	18 6	5 4	3 1	1						240 181	421
GRADE III	Boys Girls			5 2	50 42	59 50	43 50	29 17	14 12	8	1	1	1				210 175	385
GRADE IV	Boys Girls			1 1	9 12	40 35	48 73	31 22	31 17	18 6	2	1					169 176	345
GRADE V	Boys Girls					11 4	36 53	57 45	37 26	22 20	12 8	3 6	1				178 160	338
GRADE VI	Boys Girls						6 17	23 57	42 32	44 23	26 11	8 5	2	1			151 129	280
GRADE VII	Boys Girls						1 2	5 5	18 30	32 37	32 25	13 11	1 3	2			104 113	217
GRADE VIII	Boys Girls								10 15	21 31	45 40	25 26	10				111 119	230
GRADE IX	Boys Girls								2	1 1	1 5	2 4	3				6 13	19
GRADE X	Boys Girls											1 1	1 1	1 1			3 8	11
JR. AUXILIARY CLASSES	Boys Girls																	
TOTALS BY SEXES	Boys Girls	10 6	92 66	147 160	168 161	183 145	178 208	161 134	146 137	141 121	125 99	56 54	15 13	3 5			1,431 1,309	
GRAND TOTALS		16	158	307	329	328	386	298	283	265	224	110	28	8			2,740	

NOTE:—Heavy lines denote ideal age spread for each grade.

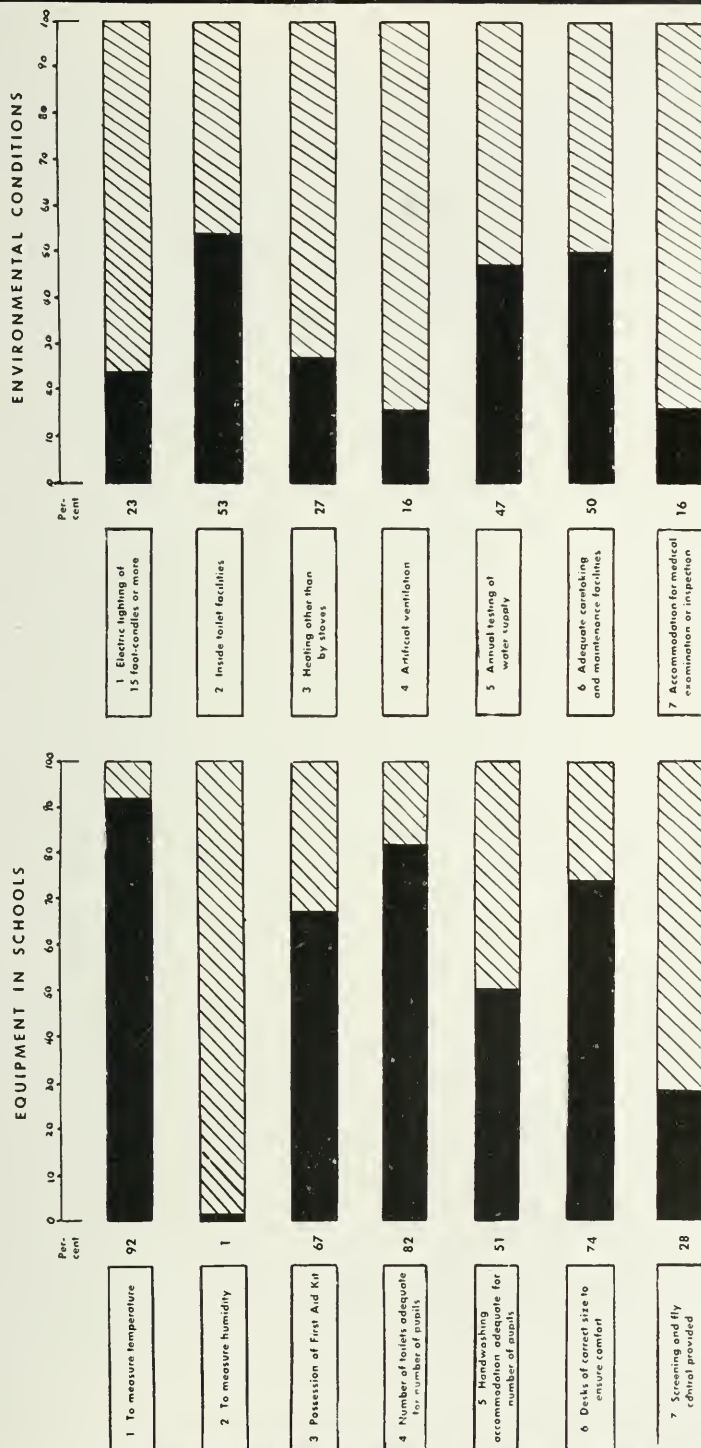
## (iii) URBAN

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY	Boys Girls																	
GRADE I	Boys Girls	29 26	38 57	24 14	2			1									93 98	191
GRADE II	Boys Girls		16 17	36 46	9 11	9 6	2 1	1 1			2						76 85	161
GRADE III	Boys Girls		17 1	33 26	19 31	15 15	8 2	6 1				3					98 87	185
GRADE IV	Boys Girls				9 9	10 26	12 11	3 4	3 1			3 2					55 61	116
GRADE V	Boys Girls				1 1	13 23	19 26	15 7	10 17	7 5	2	5					69 81	150
GRADE VI	Boys Girls						1 1	13 16	7 5	1		6 1					46 50	96
GRADE VII	Boys Girls							10 12	9 9	7 5				1			36 44	80
GRADE VIII	Boys Girls							7 7	8 11	9 6	6 1		1 2				31 33	64
GRADE IX	Boys Girls							1 1	3 1			1 1					2 6	8
GRADE X	Boys Girls										1						1 1	2
JR. AUXILIARY CLASSES	Boys Girls																	
TOTALS BY SEXES	Boys Girls	29 26	54 75	77 86	53 52	51 71	49 69	56 50	69 61	39 28	30 20	28 20	2 5	2			507 546	
GRAND TOTALS		55	129	163	105	122	118	133	106	67	48	5	2				1,033	

NOTE.—Heavy lines denote ideal age spread for each grade.

# PERCENTAGE OF ONE-ROOM ONTARIO ELEMENTARY SCHOOLS WITH CERTAIN DESIRABLE ACCOMMODATIONS, FACILITIES AND SERVICES

(75% OF ELEMENTARY SCHOOLS ARE ONE-ROOM SCHOOLS)



SOURCE A HEALTH SURVEY OF CANADIAN SCHOOLS 1945-46

Courtesy The National Committee for School Health Research

TABLE 6—REPORT OF THE HEALTH SERVICES IN

(A)	Health Units in which School Medical or Nursing Service is under the Unit Board of Health	No. of school children enrolled	Personnel			No. of children who received examination before entering school	No. of new defects found, 1946
			Public Health Nurse	M.D.	D.D.S.		
School							
1	Brant County (inc. Brantford) . . . Pub., Sep. and High	9,821	12			472	977
2	Bruce County . . . . . Pub., Sep. and High (Walkerton) . . . . . Pub., Sep. and High	2,833 637	4 1			 52	 71
3	Dufferin County . . . . . Pub. . . . .	1,828	2				99
4	Elgin-St. Thomas . . . . . Pub., Sep. and High	7,947	7			195	465
5	Kirkland-Larder Lake . . . . . Pub., Sep. and High	5,581	6		p.t.	332	818
6	Lambton (Sarnia City, Sarnia Twp., Moore Twp., Forest Village and Point Edward Village) Pub., Sep. and High	6,095	5				478
7	Northumberland and Durham . . . Pub., Sep. and High	7,832	9				812
8	Oxford County . . . . . Pub., Sep. and High	5,397	7			137	535
9	Peel County . . . . . Pub., Sep. and High	6,047	4				244
			1 p.t.				
10	Porcupine . . . . . Pub., Sep. and High	8,690	7			222	910
11	Prescott and Russell . . . . . Pub. and Sep.	6,718	5				20
12	Prince Edward County . . . . . Pub., Sep. and High	2,528	3				371
13	St. Catharines-Lincoln . . . . . Pub., Sep. and High	11,489	14			97	734
14	Stormont, Dundas and Glengarry . . . Pub. and Sep.	12,412	10			368	596
15	Welland and District . . . . . Pub., Sep. and High	4,997	6		1	1,735	795
(B) Municipalities in which School Medical or Nursing Service is under the Local Board of Health							
Cities							
1	Chatham . . . . . Pub. and Sep.	2,103	3			241	231
2	Fort William . . . . . Pub., Sep. and High	5,775	3				407
3	Galt . . . . . Pub., Sep. and High	2,815	3		1 p.t.		538
4	Guelph . . . . . Pub. and Sep.	3,330	5		1	228	313
5	Hamilton . . . . .						
6	Kingston . . . . . Pub., Sep. and High	315	6			5,574	653
7	Kitchener . . . . . Pub. and Sep.	5,074	7		1	445	908
8	North Bay . . . . . Pub. and Sep.	2,940	3		p.t.		360
9	Oshawa . . . . . Pub. and Sep.	3,723	5		1	76	199
10	Ottawa . . . . . Sep. . . . .	10,144	14		1		812
11	Peterborough . . . . . Sep. . . . .	1,136	4		p.t.		112
12	Port Arthur . . . . . Pub. and Sep.	3,655	2		1		220
13	Stratford . . . . . Pub. and Sep.	2,287	2			225	152
14	Sudbury . . . . . High . . . . .	1,405	1				262
15	Toronto . . . . .						
16	Windsor . . . . . Pub., Sep. and High	22,123	23		1	254	2,494
17	Woodstock . . . . . Pub. and Sep.	1,750	2		1 p.t.	103	126
Suburban							
1	York East Twp. . . . . Pub., Sep. and High	7,445	6		1 p.t.		903
2	York Twp. . . . . Pub., Sep. and High	14,494	8		6 p.t.		1,126
Towns							
1	Burlington . . . . . Pub. and High	1,223	1				297
2	Cochrane . . . . . Pub., Sep. and High	753	1				54
3	Dundas . . . . . Pub., Sep. and High	1,041	1		‡		74
4	Elmira . . . . . Pub. and High	465	1		‡		
5	Fort Frances . . . . . Pub., Sep. and High	1,567	1		1	125	119
6	Goderich . . . . . Pub., Sep. and High	1,044	1			1	172
7	Haileybury . . . . . Pub., Sep. and High	440	1				17
8	Ingersoll . . . . . Pub., Sep. and High	1,167	1		‡		85
9	Kenora† . . . . .						
10	Leaside . . . . . Pub., Sep. and High	2,027	3		p.t.		50
11	Lindsay . . . . . Pub. and Sep.	1,193	1				71
12	Midland . . . . . Pub. and Sep.	1,226	1		‡		54
13	Milton, Acton and Georgetown . . . Pub. and High	1,394	1		‡		205

‡In D.D.S. column means some dental work done by service clubs or other private agencies.

†Municipalities in which services were interrupted because of inability to secure public health nurses.



## THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1946

	No. of new defects corrected, 1946	No. of children with dental defects found, 1946	No. of children with dental defects corrected, 1946	No. of children excluded because of communicable disease	No. of children leaving Grade VIII with uncorrected dental defects	No. of children leaving Grade VIII with uncorrected defects (other than dental)	Uncorrected Defects			
							Vi-sion	Hear-ing	Tonsils and defective nasal breathing	Other
1	370	1,642	653	587	107	122	3	14	73	31
2	20	146	32	115						
	25	114	63	26						
3	1	55								
4	69	385	500	217	267	101	14	5	61	35
5	193	1,262	253	771	125	68	21	1	24	22
6	99	907	728	309	105	50	6	1	47	7
7	40	1,332	333	468						
8	29	369	269	126	70	62	1		40	44
9	41	372	128	190	83	60	5		41	18
10	120	487	64	1,848	184	43	9	2	33	16
11	4	4	4	935						
12	16	306	8	41						
13	164	2,290	836	753	250	83	12	8	32	35
14		1,244	645	2,244						
15		915			225	377	33	7	92	20
1	54	1,721	417	481	111	10	1	1	12	1
2	58	467	201	510	88	66	9		65	2
3	154	620	619	121	6	26	6	1	15	4
4	214			321		21	1		14	10
5										
6	61	2,159	803	553	134	40	7		32	4
7	224	3,051	1,175	811	187	79	4	2	32	109
8	27	560	498	760	85		7		48	15
9	31	347	500	444	79	64			57	19
10	156	1,283	365	1,035						
11	48	224	90	267	31	19		1	14	6
12	124	325	312	144	20	11	4	1	10	1
13	17	611	40	183	30	15			15	
14	36	157	95	12						
15										
16	526	1,837	1,442	2,598	439	163	19	1	107	37
17	17	129	124	154	44	23			17	11
1	20	467	65	375		233	15	10	115	93
2	157	7,228	2,911	599	237	266	13	4	145	141
1	33	128	28	20						
2	10	141	36	148	25	7	1		4	2
3	49	62	54	58	11	13	2		4	7
4										
5	35	138	165	26	33	4	1		5	
6	81	53	12	67	25	20	4	2	16	7
7		41	31	76	6	3			2	1
8	32	114	56	67	3	9		1	7	2
9										
10	18			22		6		2	4	
11	40	71	40	77						
12	23	298	218	211	7	11			11	1
13	102	264	178	268	21	22	7	1	13	4

TABLE 6—REPORT OF THE HEALTH SERVICES IN

(B)	Municipalities in which School Medical or Nursing Service is under the Local Board of Health	No. of school children enrolled	Personnel			No. of children who received examination before enter- ing school	No. of new defects found, 1946
			Public Health Nurse	M.D.	D.D.S.		
School							
14	Newmarket..... Pub. and Sep.	732	1				85
15	New Toronto..... Pub.	1,115	1				113
16	Oakville..... Pub. and Sep.	639	1		1		2
17	Orillia..... Pub. and Sep.	1,609	1				179
18	Parry Sound..... Pub.	939	1				325
19	Penetanguishene..... Pub. and Sep.	821	1				96
20	Perth..... Pub. and Sep.	635	1				19
21	Prescott (service begun in October, 1946)						
22	Renfrew..... Pub. and Sep.	1,040	1				
23	St. Mary's†.....						
24	Simcoe..... Pub. and Sep.	998	1				63
25	Smith's Falls..... Pub. and Sep.	1,131	1		‡		138
26	Strathroy..... Pub.	453	1			2	65
27	Thorold..... Pub. and Sep.	746	1				138
28	Weston..... Pub. and Sep.	1,041	1		1 p.t.		63
Villages							
1	Forest Hill..... Pub. and High	1,989	2				203
2	Kemptville..... Pub.	200	1 p.t.				72
3	Swansea..... Pub.	653	1				119
Rural Services							
1	Ayr Village, N. Dumfries Twp. and Wilmot Twp..... Pub.	703	1				48
2	Etobicoke Twp..... Pub., Sep. and High	3,667	5				338
3	Markham Twp. and Markham Village. Pub.	1,094	1				84
4	Neebing Twp..... Pub.	385	1 p.t.				
5	Nepean Twp..... Pub. and Sep.	1,226	2				688
6	North York Twp..... Pub., Sep. and High	3,963	5		p.t.		303
7	Pickering Twp. (inc. Ajax Village)..... Pub. and High	1,057	1			67	62
8	Tecumseh and Sandwich E. Twp. Pub., Sep. and High	2,102	1		1 p.t.		549
9	Waterloo Twp.....						
10	Welland County (Stamford Twp.)..... Pub. and High	1,973	2		‡ p.t.		181
(A) and (B) Totals.....		235,817				10,951	23,011
(C) Municipalities in which School Medical or Nursing Service is under the Local School Board							
Cities							
1	Belleville..... Pub.	1,780	1		1 p.t.		618
2	London..... Pub.	9,653	6		1 6 p.t.	1,185	710
3	London..... Sep.						
4	London..... High	3,376	3	1	1		176
5	Niagara Falls..... Pub. and Sep.	2,832	2		1 p.t. ‡	19	403
6	Ottawa..... Pub.	8,860	5		1 p.t.		899
7	Owen Sound..... Pub., Sep. and High	3,127	3		1	165	290
8	Peterborough..... Pub. and High	4,619	3		1	318	392
9	Sault Ste. Marie..... Pub.	3,322	2		1 p.t.	270	134
10	Sudbury..... Pub.	2,800	2		1	119	338
11	Sudbury†..... Sep.						
Towns							
1	Barrie..... Pub. and Sep.	1,493	1				129
2	Brockville..... Pub. and High	1,888	1		1 p.t.		259
3	Collingwood..... Pub. and Sep.	1,037	1				338
4	Long Branch..... Pub.	975	1				110
5	Mimico..... Pub. and Sep.	1,547	1				110
6	Pembroke..... Pub.	998	1		‡		280
7	Pembroke..... Sep.						
8	Waterloo..... Pub. and Sep.	1,387	1		‡	98	91

‡In D.D.S. column means some dental work done by service clubs or other private agencies.

†Municipalities in which services were interrupted because of inability to secure public health nurses.

## THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1946

	No. of new defects corrected, 1946	No. of children with dental defects found, 1946	No. of children with dental defects corrected, 1946	No. of children excluded because of communicable disease	No. of children leaving Grade VIII with uncorrected dental defects	No. of children leaving Grade VIII with uncorrected defects (other than dental)	Uncorrected Defects			
							Vision	Hearing	Tonsils and defective nasal breathing	Other
14	64	242	135	38	6	2			3	
15	36	645	257	71	85	44	4		35	15
16		9	3	2						
17	42	383	371	108	55	36	1	2	18	19
18	69	204	127	131	24	11	4		4	3
19	20	73	41	276	15	9	2		12	1
20	16	172	101	20	4	8	4		6	1
21										
22		467	75	579	24	14	2		10	2
23										
24	20	94	33	124	18	5			5	1
25	40	172	114	44	59	25	2	6	16	7
26	31	51	26	80	6	2			2	2
27	84	93	64	71	22	8	3		5	
28	9	489	201	39	30	17			11	6
1	53			10	10	57	19		11	27
2	11	64	20	31			3		7	
3	76	77	21	30		6	5	1	1	
1	11	179	44	79	8	6			6	
2	148	501	297	286	24	17	1		22	8
3	11	84	54	30						
4				16						
5	73	800	300	544	14	21	10	1	10	
6	71	116	74	163	43	122	17	3	47	69
7	34	46	311	94	21	5	1		85	
8	102	395	146	243	76	37	2	1	36	13
9										
10	99	416	208	142	28	9	3	1	12	
4,658	40,098	18,948	21,354	3,610	2,558	288	80	1,571	879	
1	61	804	979	263	21	47	8	4	13	22
2	231	5,351	1,592	943	35	141	10	15	89	84
3										
4	110	2,317	167							
5	246	299	351	808	102	14	2		21	4
6	171	1,020	1,040	649	62		14	5	55	25
7	79	2,171	822	166	29	23	1	2	31	1
8	132	2,068	1,270	267	39	63	13		36	14
9	65	236	120	383	161	118	19	8	124	13
10	282	818	504		12	5		1	9	2
11										
1	41	285	187	129	15	7	2		8	
2	84	440	378	62	19	6			10	
3	206	800	684	37		8	3	1	4	
4	47	243	135	73	26	8	1		13	
5	61	454	198	228	18	15	2		10	3
6	118	383	272	302	29	19	2		22	1
7										
8	63	222	154	87	19	8	1	2	3	2

TABLE 6—REPORT OF THE HEALTH SERVICES IN

(C) Municipalities in which School Medical or Nursing Service is under the Local School Board	No. of school children enrolled	Personnel			No. of children who received examination before entering school	No. of new defects found, 1946
		Public Health Nurse	M.D.	D.D.S.		
<i>Part Time School</i>						
1 Billings Bridge..... Pub.....	238	1				41
2 Rockcliffe Park..... Pub.....	228	1				37
<i>Rural Services</i>						
1 Carleton County (Nepean Twp.)..... Pub.....	1,759	1				84
2 East Whitby Twp.....						
3 Scarborough Twp. (School Area No. 1)..... Pub.....	2,847	2			143	225
4 Scarborough Twp. (School Area No. 2).....						
5 Welland County						
(Units 2A and 2B)..... Pub., Sep. and High	2,906	2		†		189
6 Welland County (Unit 3)..... Pub.....	960	1				66
(D) School Health Service under County Council						
1 Haldimand County..... Pub. and Sep.	2,563	3			9	556
2 Halton County..... Pub.....	1,659	1		p.t.		333
3 Huron County..... Pub. and Sep.	5,130	5		1		787
4 Lennox and Addington..... Pub. and Sep.	783	1				156
5 Middlesex County..... Pub. and Sep.	5,656	5			32	446
6 Perth County..... Pub. and Sep.	3,594	3				272
7 Simcoe County..... Pub. and Sep.	6,501	4		1		1,157
8 Wentworth County..... Pub. and High	5,432	4			32	300
(E) School Health Service under Collegiate Board						
1 Ottawa Collegiate..... High.....	5,300	4	2 p.t.	p.t.		277
(C), (D) and (E) Totals.....	95,250				2,390	10,503
(F) Municipalities in which school nursing service is sponsored by School Boards and given by *Private Agencies						
<i>Municipality</i>						
1 Apsley..... Pub.....	255	1				61
2 Arnprior..... Pub. and Sep.	700	1				34
3 Belleville (S.S. No. 6, Thurlow Twp.)..... Pub.....	95	1		†		19
4 Braeside..... Pub.....	92	1		†		
5 Callander and s Twps..... Pub., Sep. and High	427	1				44
6 Cameron Falls (Thunder Bay District)..... Pub.....						
7 Cobalt..... Pub.....	256	1				49
8 Copper Cliff, Levack, Garson and Creighton Mine..... Pub. and High						
9 Dryden..... Pub., Sep. and High	1,209	1		1	48	63
10 Fraserdale..... Pub. and High						
11 Gananoque..... Pub., Sep. and High	855	2				100
12 Haliburton..... Pub. and High	517	1				97
13 Huntsville..... Pub.....	525	1				6
14 Kakabeka Falls..... Pub. and Sep.	1,978	1		†		252
15 Kingsville..... Pub., Sep. and High	635	1			21	30
16 Mindemoya..... Pub., Sep. and High	1,740	1				436
17 New Liskeard..... Pub. and Sep.	671	1				24
18 Point Edward..... Pub.....	256	1			26	10
19 Port Loring..... Pub.....	325	1				131
20 Preston..... Pub., Sep. and High	935	1			89	19
21 Scarborough Twp. (St. Dunstons)..... Sep.....	170	1		1		52
22 Scarborough Twp. (St. John's Training School)..... Sep.....	140	1		1		
23 Scarborough Twp. (St. Theresa's)..... Sep.....	45	1		1		132
24 Scarborough Twp. (St. Theresa's Shrine)..... Sep.....	135	1				34
25 Whitby..... Pub. and Sep.	637	1				164
(F) Totals.....	12,598				184	1,757
Grand Totals.....	343,665				13,525	35,271

\*Victorian Order of Nurses, Red Cross Society, St. Elizabeth Visiting Nurses Association, Ontario Hydro Commission, International Nickel.

†In D.D.S. column means some dental work done by service clubs or other private agencies.

## THE PUBLIC AND SEPARATE SCHOOLS OF ONTARIO, 1946

	No. of new defects corrected, 1946	No. of children with dental defects found, 1946	No. of children with dental defects corrected, 1946	No. of children excluded because of communicable disease	No. of children leaving Grade VIII with uncorrected dental defects	No. of children leaving Grade VIII with uncorrected defects (other than dental)	Uncorrected Defects			
							Vision	Hearing	Tonsils and defective nasal breathing	Other
1	16			35						
2	27	6	4	10	1					
1	21	188	105	86	69	16	1		15	
2										
3	137	525	350	280	58	40	4	3	26	7
4										
5	36	373	205	101	50	26	5	3	26	3
6	29	138	180	99	18	13	2		18	1
1	250	599	328	300	63	35	6	2	17	10
2	94	198	127	94	25	26	2	1	22	2
3	258	2,090	566	158						
4	7	97	4	16						
5	82	955	360	272	41	35	17		18	
6	84	295	222	120		35	16		18	4
7	60	1,304	524	336						
8	86	876	650	296	85	30	3	5	20	3
1	91	1,864	1,260	30						
	3,275	27,419	13,738	6,630	997	738	134	52	628	201
1		68	15							
2	21									
3	8	26	6	36	4	2			2	
4		84	72	3						
5		278	83							
6										
7	13	50	13	13						
8										
9	25	229	189	65	8	2			1	1
10										
11	37	229	108	111	2	7	3	1	3	
12		110	82							
13		25	3	50	15	3			3	
14	44	305	233	102	55	35	8		17	10
15	10	30	12	23						
16		864	22	75	47	60	14		37	9
17	7	157	30	71	8	7	3		2	
18		15	3	16	3	2	2		1	
19		115	52	17	11	6	1		5	
20	7	26	38	29	19	1			1	
21	3	122	25	54		1			2	
22	4	123	22	3						
23	19	35	18	16	122					
24		100	14	5	8				4	
25	40	184	183	76	8	2			4	
	238	3,175	1,223	765	310	128	31	1	82	20
	8,171	70,692	33,909	28,749	4,917	3,424	453	133	2,281	1,100



**THE PUBLIC SCHOOLS**  
**TABLE 7—AGE-GRADE DISTRIBUTION, SCHOOL YEAR 1945-46**  
 (A) ALL PUBLIC SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN.....	Boys 40	4,113 3,991	2,885 2,568	96 70	15 6	3 2	3 2										7,151 6,679	13,830
KINDERGARTEN- PRIMARY.....	Boys 5	2,098 2,112	2,911 2,687	364 298	49 22	7 4											5,434 5,125	10,559
GRADE I.....	Boys 5	837 917	13,097 12,754	11,057 11,958	3,447 3,405	829 437	255 139	98 49	53 37	31 20	15 10	8 5	2	1			32,736 28,638	61,374
GRADE II.....	Boys 5	2 5	374 407	9,117 9,117	4,452 4,376	1,480 683	1,480 683	463 205	176 79	73 29	42 15	9 3	2	1			28,521 25,141	53,662
GRADE III.....	Boys 5		8 7	511 778	7,580 8,861	10,532 9,469	4,579 2,890	1,712 880	622 300	259 115	99 49	36 27	9	4			25,947 23,381	49,328
GRADE IV.....	Boys 5			26 28	871 1,380	7,016 8,369	9,419 8,948	1,542 3,054	1,984 1,069	781 383	328 147	106 47	12	2			25,100 23,443	48,543
GRADE V.....	Boys 5				29 1	1,161 8,607	6,969 8,607	9,131 8,667	4,844 3,321	2,454 1,337	1,006 426	301 166	74 29	4	1	1	25,975 24,364	50,339
GRADE VI.....	Boys 5					23 52	1,123 1,845	6,104 8,294	8,486 3,457	5,018 3,457	2,479 1,513	936 502	192 102	12 6	1		24,674 23,938	48,612
GRADE VII.....	Boys 5						2 64	10 1,114	5,866 7,601	8,184 8,287	4,841 3,597	2,254 1,396	560 347	23 22	2	3	22,916 23,159	46,075
GRADE VIII.....	Boys 5							1 5	1,556 2,197	6,101 8,149	8,505 8,230	4,857 3,829	1,618 1,233	129 77	15 13	1	23,185 23,896	47,081
GRADE IX.....	Boys 5								7 15	17 119	202 414	222 544	97 288	17 42	5 4		597 1,429	2,026
GRADE X.....	Boys 5									3 3	28 55	82 231	99 291	26 83	6 10	1	245 674	919
JR. AUXILIARY CLASSES.....	Boys 5									384 195	452 187	422 157	453 137	279 69	35 9	2	3,003 1,358	4,361
TOTALS BY SEXES.....	Boys 46	7,050 7,025	19,276 18,486	24,198 23,590	24,427 23,516	24,197 22,365	24,169 23,335	23,964 23,211	23,978 22,114	23,703 14,643	17,915 15,187	422 6,907	453 9,262	279 2,954	35 246	8	11,225,484 211,225	
GRAND TOTALS.....		94	11,075	37,762	47,588	17,943	16,762	17,501	17,178	47,086	45,817	32,610	16,169	5,330	190	32	436,709	

Heavy lines denote ideal age spread for each grade.

## (B) RURAL PUBLIC SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY.....	Boys Girls	3 1	27 36	30 25	7 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67 66	133
GRADE I.....	Boys Girls	7 5	679 727	5,156 4,897	4,776 3,890	1,460 974	477 228	172 98	44 38	26 15	14 8	7 4	2 .....	.....	.....	.....	12,897 10,912	23,809
Grade II.....	Boys Girls	.....	2 275	249 3,432	4,013 3,370	1,572 891	650 330	246 120	114 49	49 20	25 9	6 1	2 .....	.....	.....	.....	10,173 8,503	18,676
Grade III.....	Boys Girls	.....	.....	5 6	282 405	2,593 3,029	3,512 3,137	1,720 1,096	736 382	313 166	58 29	26 15	7 4	.....	.....	.....	9,397 8,339	17,736
GRADE IV.....	Boys Girls	.....	.....	.....	20 22	316 538	2,321 2,754	3,223 2,979	1,667 1,131	812 421	360 180	181 83	67 30	12 10	.....	.....	8,981 8,148	17,129
GRADE V.....	Boys Girls	.....	.....	.....	.....	15 27	369 521	2,343 2,707	3,115 2,932	1,666 1,115	886 456	423 164	103 75	33 16	1 .....	.....	8,955 8,076	16,971
GRADE VI.....	Boys Girls	.....	.....	.....	.....	.....	14 36	349 610	1,996 2,587	2,928 2,742	1,737 1,181	900 497	295 164	44 33	4 2	.....	8,268 7,855	16,123
GRADE VII.....	Boys Girls	.....	.....	.....	.....	.....	2 .....	26 47	335 541	1,828 2,327	2,718 2,594	1,632 1,099	612 379	141 91	11 10	.....	7,305 7,093	14,398
GRADE VIII.....	Boys Girls	.....	.....	.....	.....	.....	.....	1 4	45 86	178 787	2,027 2,631	2,942 2,740	1,657 1,262	436 300	35 33	7 6	7,628 7,910	15,538
GRADE IX.....	Boys Girls	.....	.....	.....	.....	.....	.....	.....	.....	6 11	26 70	132 200	132 161	51 93	8 .....	.....	348 564	912
GRADE X.....	Boys Girls	.....	.....	.....	.....	.....	.....	.....	.....	3 .....	17 35	48 80	48 101	12 28	3 4	.....	132 252	384
JR. AUXILIARY CLASSES.....	Boys Girls	.....	.....	.....	.....	.....	.....	.....	.....	2 2	7 1	5 .....	1 .....	.....	.....	.....	22 25	47
TOTALS BY SEXES.....	Boys Girls	10 6	708 770	5,440 5,203	8,300 7,751	8,127 7,910	8,267 7,567	8,484 7,873	8,218 7,822	7,984 7,220	6,339 4,865	2,947 2,176	2,776 709	71 95	14 19	7 15	71,173 67,683	138,856
GRAND TOTALS.....	.....	16	1,478	10,643	16,051	16,367	15,834	16,357	16,040	15,836	15,204	11,191	5,123	1,485	166	33	20	118,566

## (C) URBAN PUBLIC SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals by Grades
KINDERGARTEN.....	Boys Girls	36 10	4,113 3,991	2,885 2,568	96 70	15 6	3 2	3 2									7,151 6,679
KINDERGARTEN- PRIMARY.....	Boys Girls	2 2,071	2,881 2,662	357 294	49 22	7 4	1 1										5,367 5,059
GRADE I.....	Boys Girls	158 188	7,941 7,857	9,281 8,068	1,987 1,331	352 209	83 41	24 11	9 13	5 5	1 2	1 1					19,839 17,726
GRADE II.....	Boys Girls																18,348 16,638
GRADE III.....	Boys Girls																16,550 15,042
GRADE IV.....	Boys Girls																16,119 15,295
GRADE V.....	Boys Girls																17,020 16,348
GRADE VI.....	Boys Girls																16,106 16,083
GRADE VII.....	Boys Girls																15,611 16,066
GRADE VIII.....	Boys Girls																15,557 15,986
GRADE IX.....	Boys Girls																249 865
GRADE X.....	Boys Girls																113 422
JR. AUXILIARY CLASSES.....	Boys Girls																2,981 4,314
TOTALS BY SEXES.....	Boys Girls	38 40	6,342 6,255	13,836 13,253	15,898 15,836	16,000 15,576	15,930 14,998	15,746 15,392	15,787 15,463	15,719 14,894	14,638 9,778	6,315 4,731	2,478 1,667	175 149	20 16	4 2	45,311 2,143,542
GRAND TOTALS.....		78	12,597	27,119	31,734	30,928	31,147	31,138	31,250	30,613	21,416	11,046	3,815	324	36	6	294,853

Note: Large suburban schools included with urban.

**TABLE 8—RETIREMENTS FROM PUBLIC SCHOOL\***  
(from School Opening, September, 1945 to School Opening, September, 1946)

**RURAL SCHOOLS**

Ages→		9 and Under	10	11	12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals
Grade I and Lower..	Boys	57	8	2	1	7	2	5	1				83	129
	Girls	32	3	3	3	1	2	3	1		1		46	
Grade II.....	Boys	21				2	8	4					35	58
	Girls	13	1	2		1	3	2	1				23	
Grade III.....	Boys	12	3	2	2	3	15	12	4				53	78
	Girls	10	3	1		1	5	4		1			25	
Grade IV.....	Boys	16	3	2	3	2	28	14	7				75	103
	Girls	8	6	2		3	5	3		1			28	
Grade V.....	Boys		1	6	6	15	90	56	30	2			206	304
	Girls	3	1	2	4	10	31	30	16	1			98	
Grade VI.....	Boys		1	2	9	24	163	130	44	2			375	531
	Girls		1	1	3	13	74	42	21	1			156	
Grade VII.....	Boys				3	40	296	231	102	6			678	1,006
	Girls				1	23	118	122	58	6			328	
Grade VIII.....	Boys				14	153	757	688	359	21	2	1	1,995	3,158
	Girls				11	157	529	481	253	29	3		1,463	
Grade IX.....	Boys					3	47	53	24	7		1	135	317
	Girls					11	39	68	48	10	4	2	182	
Grade X.....	Boys						4	23	22	5	2	1	57	161
	Girls				1		11	30	45	15	2		104	
Jr. Auxiliary.....	Boys						1						1	4
	Girls						1		1	1			3	
Totals by Sex.....	Boys	106	16	14	38	249	1,411	1,216	593	43	4	3	3,693	6,149
	Girls	66	12	11	23	220	818	785	444	65	10	2	2,456	
Grand Totals.....		172	28	25	61	469	1,229	2,001	1,037	108	14	5		

**URBAN SCHOOLS**

Ages→		9 and Under	10	11	12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals
Grade I and Lower..	Boys	151	2	1		1	1	1					157	298
	Girls	137	1	1	1	1							141	
Grade II.....	Boys	18	2	1	2	1	1						25	39
	Girls	12	1				1						14	
Grade III.....	Boys	16	6	2	3	3	8	4	7				49	62
	Girls	7	1	1	1		1	2					13	
Grade IV.....	Boys	5	5	5	8	3	17	26	6				75	106
	Girls	8	4	2	1	1	1	10	4				31	
Grade V.....	Boys		4	5	8	9	35	65	32	1			159	232
	Girls	2	6	5	2	2	18	22	14	2			73	
Grade VI.....	Boys		2	5	4	22	74	291	134	3			535	775
	Girls		1	2	6	11	46	98	72	4			240	
Grade VII.....	Boys				4	9	70	393	374	10			860	1,440
	Girls		1	11	33	137	156	135	98	8	1		580	
Grade VIII.....	Boys				2	20	123	540	776	53	3	1	1,518	2,718
	Girls			1	3	10	112	482	565	24	2	1	1,200	
Grade IX.....	Boys				1	3	3	24	37	5	3	1	77	302
	Girls				1	2	12	72	129	9			225	
Grade X.....	Boys						1	12	31	10	3	1	58	426
	Girls						3	65	254	44	2		368	
Jr. Auxiliary.....	Boys	2	2			1	30	137	135	9	3	1	320	495
	Girls				2	4	9	86	66	7		1	175	
Totals by Sex.....	Boys	192	23	19	32	72	363	1,493	1,532	91	12	4	3,833	6,893
	Girls	166	15	23	50	168	359	972	1,202	98	5	2	3,060	
Grand Totals.....		358	38	42	82	240	722	2,465	2,734	189	17	6		
Grand Totals, Rural and Urban.....	Boys	298	39	33	70	321	1,774	2,709	2,125	134	16	7	7,526	13,042
	Girls	232	27	34	73	388	1,177	1,757	1,646	163	15	4	5,516	
Total.....		530	66	67	143	709	2,951	4,466	3,771	297	31	11		

\*As reported by Inspectors.

Retirements—Those who ceased to attend any school.

TABLE 9—TEACHERS' SALARIES, 1946-47

(Whole-Time Teachers)

## Frequency Distribution

Range	Ordinary Rural Schools	Towns and Villages under 1,500 popula- tion	Towns and Villages popula- tion of 1,500 and over	Large Sub- urban and Semi- Urban Schools	City Schools	All Schools	Group Totals	Group Percentages		
								1946-47	1945-46	1944-45
\$4,451 - \$4,550			1			1	1	.00007		
\$4,351 - \$4,450										
\$4,251 - \$4,350										
\$4,151 - \$4,250										
\$4,051 - \$4,150										
\$3,951 - \$4,050				1	57	58	130	.9	.7	.7
\$3,851 - \$3,950					6	6				
\$3,751 - \$3,850			1	7	12	20				
\$3,651 - \$3,750			1	1	18	20				
\$3,551 - \$3,650				3	23	26				
\$3,451 - \$3,550			4	2	15	21	359	2.5	1.6	.9
\$3,351 - \$3,450		1	1	5	11	18				
\$3,251 - \$3,350			3	2	67	72				
\$3,151 - \$3,250			2	2	114	118				
\$3,051 - \$3,150			3	5	122	130				
\$2,951 - \$3,050			4	6	41	51	390	2.7	2.6	2.7
\$2,851 - \$2,950			7	4	45	56				
\$2,751 - \$2,850			3	22	42	67				
\$2,651 - \$2,750	2		12	31	57	102				
\$2,551 - \$2,650		3	12	18	81	114				
\$2,451 - \$2,550	1	2	19	21	137	180	1,917	13.1	11.4	8.7
\$2,351 - \$2,450	4	2	26	131	687	850				
\$2,251 - \$2,350	3	4	21	25	211	264				
\$2,151 - \$2,250	5	4	34	54	266	363				
\$2,051 - \$2,150	8	5	43	49	155	260				
\$1,951 - \$2,050	26	16	59	61	228	390	2,938	20.1	16.3	15.2
\$1,851 - \$1,950	38	20	57	69	231	415				
\$1,751 - \$1,850	91	27	78	66	368	630				
\$1,651 - \$1,750	118	39	86	75	311	629				
\$1,551 - \$1,650	325	31	149	109	260	874				
\$1,451 - \$1,550	761	73	319	162	339	1,654	8,848	60.5	65.8	59.0
\$1,351 - \$1,450	1,427	116	347	158	365	2,413				
\$1,251 - \$1,350	1,591	186	305	136	355	2,573				
\$1,151 - \$1,250	1,540	100	164	87	209	2,100				
\$1,051 - \$1,150	8	11	25	9	55	108				
\$951 - \$1,050	5	1	1	2	14	23	34	.2	1.6	12.8
\$851 - \$950		1	6			7				
\$751 - \$850		4				4				
Totals	5,953	646	1,793	1,323	4,902	14,617				
Median	1,341	1,368	1,466	1,650	1,927	1,456				
Average	1,366	1,446	1,591	1,813	2,026	1,664				

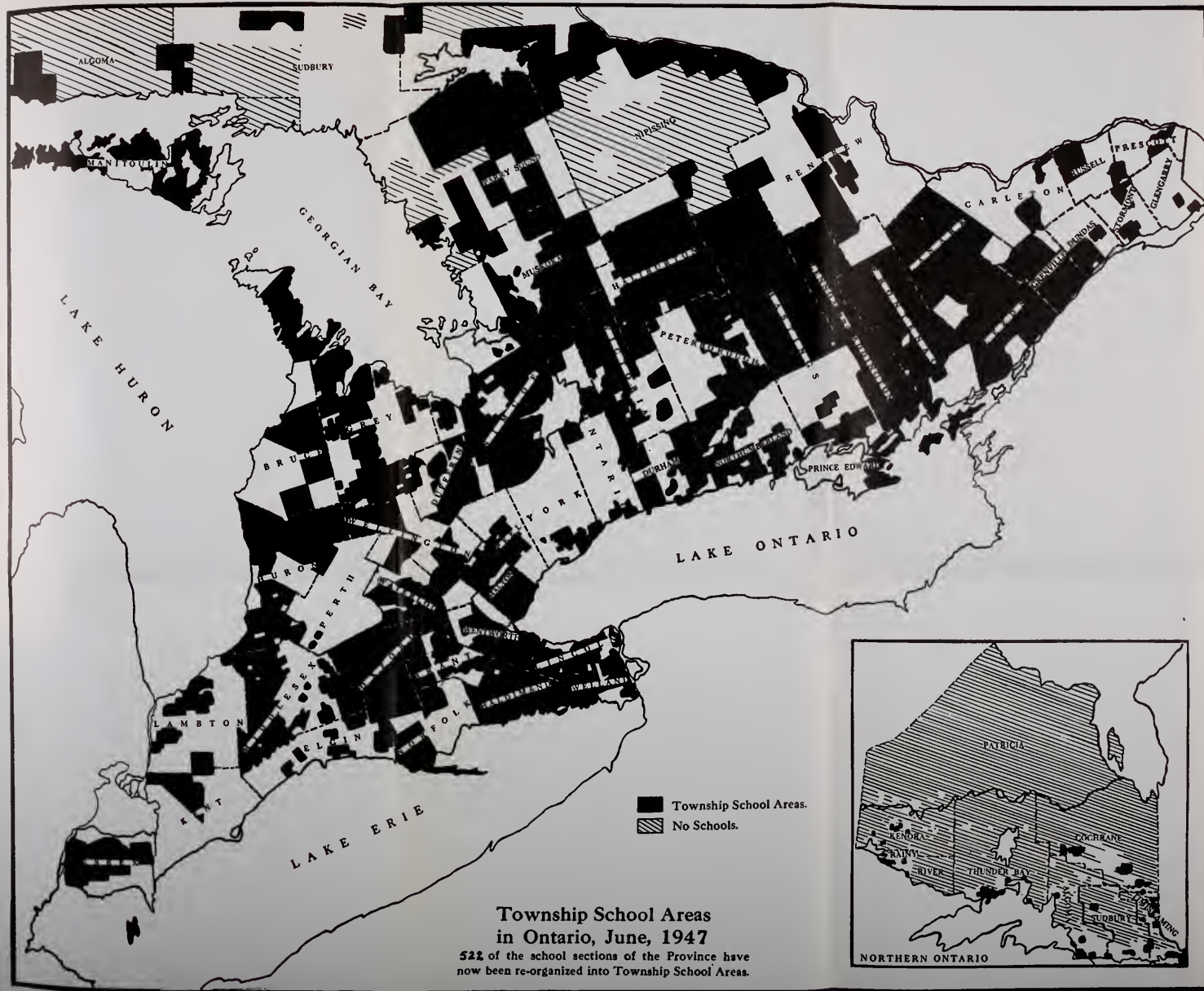


TABLE 10—TOWNSHIP SCHOOL AREAS BY INSPECTORATES  
(formed to end of School Year 1946-47)

A—County Inspectorates	Number of Rural School Sections in the Present Inspectorate before the formation of any Township Areas	Number of Township School Areas formed to July 1, 1947	Number of Former Sections involved	Approximate Percentage of the former Rural School Sections of the Inspectorate under Township School Area administration after Jan. 1, 1948	Under Township School Area Administration after Jan. 1, 1948		
					Number of Schools in Operation	Number of Teachers	Number of Pupils
Brant.....	61	6	46	75	47	71	2,235
Bruce (in part), Huron (in part).....	147	7	73	50	73	73	1,396
Carleton.....	115	3	15	13	15	22	738
Dufferin.....	92	5	60	65	51	52	810
Dundas.....	71	2	26	36	26	23	445
Durham (in part).....	46	2	18	38	16	20	554
Elgin.....	106	5	26	24	26	34	926
Essex No. 1.....	112	11	65	58	61	79	2,393
Essex No. 2.....	1						
Frontenac North and Addington.....	90	12	83	92	56	70	1,443
Frontenac South No. 1, Lennox (in part)...	78	7	40	60	47	62	1,355
Frontenac South No. 2.....	23						
Glengarry No. 1, Prescott (in part).....	80	1	3	4	3	2	44
Glengarry No. 2.....	5						
Grenville.....	78	4	74	94	74	60	1,020
Grey East.....	88	5	40	47	41	35	740
Grey North and Bruce North.....	56	5	32	57	32	26	464
Grey South.....	80	4	39	49	39	41	853
Haldimand.....	73	11	72	99	72	74	1,689
Haliburton, Peterborough (in part), Victoria East (in part).....	80	10	73	91	39	53	1,341
Halton.....	61	4	50	82	50	65	1,720
Hastings Centre.....	62	2	21	35	21	21	400
Hastings North, Nipissing (in part), Renfrew (in part).....	78	13	68	87	68	60	1,300
Hastings South.....	49	4	33	67	37	38	968
Huron North.....	87	7	77	89	77	71	1,180
Huron South.....	80	6	48	60	48	48	1,018
Kent No. 1.....	137	1	23	17	23	25	817
Kent No. 2.....	2						
Lambton No. 1.....	83	6	25	31	26	26	530
Lambton No. 2.....	87	1	10	11	10	10	180
Lambton No. 3.....							
Lanark.....	123	13	104	15	104	100	1,663
Leeds No. 1.....	76	5	69	91	63	67	1,262
Leeds No. 2.....	69	3	54	76	33	37	860
Lennox and Hastings South (in part).....	61	9	52	85	41	46	997
Lincoln (in part).....	44	7	31	71	31	53	1,785
Middlesex East.....	87	6	31	36	31	32	777
Middlesex West.....	97	8	79	81	63	67	1,404
Norfolk.....	100	4	37	37	39	36	1,326
Northumberland.....	83	8	32	39	32	32	629
Northumberland and Durham.....	74	8	57	77	56	57	1,015
Ontario North.....	61	2	14	23	9	9	235
Ontario South.....	61	2	6	10	6	6	163
Oxford North.....	58	6	56	97	57	65	1,729
Oxford South and Norfolk (in part).....	48	6	45	93	45	60	1,798
Peel.....	77	2	16	21	16	17	426
Perth North and Wellington.....	85						
Perth South.....	45	1	2	4	2	1	31
Peterborough E.....	70	10	55	77	56	51	1,167
Peterborough West and Victoria East.....	48	4	8	17	8	10	255
Prescott and Russell No. 1.....	49	4	20	41	20	21	385
Prescott and Russell No. 2.....	9						
Prescott and Russell No. 3.....	7						
Prince Edward.....	71	2	14	20	14	11	200
Renfrew North.....	76	8	31	41	30	30	577
Renfrew South.....	84	4	19	24	20	19	357

TABLE 10—TOWNSHIP SCHOOL AREAS BY INSPECTORATES

A—County Inspectorates	Number of Rural School Sections in the Present Inspectorate before the formation of any Township Areas	Number of Township School Areas formed to July 1, 1947	Number of Former Sections involved	Approximate Percentage of the former Rural School Sections of the Inspectorate under Township School Area administration after Jan. 1, 1948	Under Township School Area Administration after Jan. 1, 1948		
					Number of Schools in Operation	Number of Teachers	Number of Pupils
Simcoe Centre.....	66	5	47	71	47	51	1,250
Simcoe East and Muskoka (in part).....	47	7	35	75	33	38	923
Simcoe North No. 1.....	8						
Simcoe North No. 2.....							
Simcoe S.....	63	5	54	86	54	55	1,125
Simcoe West, Grey (in part).....	69	3	29	42	29	29	574
Stormont.....	76	3	18	24	16	17	362
Victoria West.....	73	9	54	74	56	46	875
Waterloo No. 1.....	56	3	21	40	21	29	650
Waterloo No. 2.....	28	3	18	64	18	20	599
Welland East.....	7	1	7	100	9	55	2,000
Welland South.....	26	2	11	42	11	12	289
Welland (in part), Lincoln (in part).....	63	7	47	75	49	79	2,405
Wellington North.....	69	3	44	64	44	45	863
Wellington South.....	56	4	34	77	42	50	1,254
Wentworth.....	75	70	53	70	53	94	3,220
York No. 1.....	67	1	7	10	7	7	194
York No. 2.....	15						
York No. 3.....	11	1	11	100	20	347	10,809
York No. 4.....							
York No. 5.....	5	1	5	100	8	166	5,512
York No. 6.....	16	3	11	68	15	112	3,791
York No. 7.....	18	3	9	50	11	66	2,086
York No. 8.....	41						
Totals, County Inspectorates.....	4,825	400	2,438	51	2,358	3,312	84,381
B—District Inspectorates							
District Division I.....	51	3	12	23	7	10	292
" " II.....	62	10	24	39	16	17	423
" " III.....	34	4	13	40	7	7	265
" " IV.....	57	6	32	58	26	37	1,134
" " V.....	24	3	12	50	4	14	446
" " VI.....	56	9	37	66	31	11	1,120
" " VII.....	53	3	10	19	10	21	524
" " VIII.....	33	3	15	45	12	13	320
" " IX.....	87	19	72	82	66	61	1,400
" " X (1).....	63	5	14	25	15	14	227
" " X (2).....	2						
" " XI.....	12	2	6	50	5	11	325
" " XII.....	46	9	24	52	24	104	3,025
" " XIII (1).....	61	54	44	72	36	39	895
" " XIII (2).....	1						
" " XIV.....	57	13	44	77	43	53	1,356
" " XV.....	81	12	67	82	46	53	1,161
" " XVI.....	74	10	53	71	33	37	728
" " XVII.....	69	11	67	97	48	52	1,004
Totals, District Inspectorate.....	923	176	546	53	429	513	14,645
GRAND TOTALS.....	5,748	576	2,984	52	2,787	3,855	99,026



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841  
842  
843  
844  
845  
846  
847  
848  
849  
850  
851  
852  
853  
854  
855  
856  
857  
858  
859  
860  
861  
862  
863  
864  
865  
866  
867  
868  
869  
870  
871  
872  
873  
874  
875  
876  
877  
878  
879  
880  
881  
882  
883  
884  
885  
886  
887  
888  
889  
890  
891  
892  
893  
894  
895  
896  
897  
898  
899  
900  
901  
902  
903  
904  
905  
906  
907  
908  
909  
910  
911  
912  
913  
914  
915  
916  
917  
918  
919  
920  
921  
922  
923  
924  
925  
926  
927  
928  
929  
930  
931  
932  
933  
934  
935  
936  
937  
938  
939  
940  
941  
942  
943  
944  
945  
946  
947  
948  
949  
950  
951  
952  
953  
954  
955  
956  
957  
958  
959  
960  
961  
962  
963  
964  
965  
966  
967  
968  
969  
970  
971  
972  
973  
974  
975  
976  
977  
978  
979  
980  
981  
982  
983  
984  
985  
986  
987  
988  
989  
990  
991  
992  
993  
994  
995  
996  
997  
998  
999  
1000  
1001  
1002  
1003  
1004  
1005  
1006  
1007  
1008  
1009  
1010  
1011  
1012  
1013  
1014  
1015  
1016  
1017  
1018  
1019  
1020  
1021  
1022  
1023  
1024  
1025  
1026  
1027  
1028  
1029  
1030  
1031  
1032  
1033  
1034  
1035  
1036  
1037  
1038  
1039  
1040  
1041  
1042  
1043  
1044  
1045  
1046  
1047  
1048  
1049  
1050  
1051  
1052  
1053  
1054  
1055  
1056  
1057  
1058  
1059  
1060  
1061  
1062  
1063  
1064  
1065  
1066  
1067  
1068  
1069  
1070  
1071  
1072  
1073  
1074  
1075  
1076  
1077  
1078  
1079  
1080  
1081  
1082  
1083  
1084  
1085  
1086  
1087  
1088  
1089  
1090  
1091  
1092  
1093  
1094  
1095  
1096  
1097  
1098  
1099  
1100  
1101  
1102  
1103  
1104  
1105  
1106  
1107  
1108  
1109  
1110  
1111  
1112  
1113  
1114  
1115  
1116  
1117  
1118  
1119  
1120  
1121  
1122  
1123  
1124  
1125  
1126  
1127  
1128  
1129  
1130  
1131  
1132  
1133  
1134  
1135  
1136  
1137  
1138  
1139  
1140  
1141  
1142  
1143  
1144  
1145  
1146  
1147  
1148  
1149  
1150  
1151  
1152  
1153  
1154  
1155  
1156  
1157  
1158  
1159  
1160  
1161  
1162  
1163  
1164  
1165  
1166  
1167  
1168  
1169  
1170  
1171  
1172  
1173  
1174  
1175  
1176  
1177  
1178  
1179  
1180  
1181  
1182  
1183  
1184  
1185  
1186  
1187  
1188  
1189  
1190  
1191  
1192  
1193  
1194  
1195  
1196  
1197  
1198  
1199  
1200  
1201  
1202  
1203  
1204  
1205  
1206  
1207  
1208  
1209  
1210  
1211  
1212  
1213  
1214  
1215  
1216  
1217  
1218  
1219  
1220  
1221  
1222  
1223  
1224  
1225  
1226  
1227  
1228  
1229  
1230  
1231  
1232  
1233  
1234  
1235  
1236  
1237  
1238  
1239  
1240  
1241  
1242  
1243  
1244  
1245  
1246  
1247  
1248  
1249  
1250  
1251  
1252  
1253  
1254  
1255  
1256  
1257  
1258  
1259  
1260  
1261  
1262  
1263  
1264  
1265  
1266  
1267  
1268  
1269  
1270  
1271  
1272  
1273  
1274  
1275  
1276  
1277  
1278  
1279  
1280  
1281  
1282  
1283  
1284  
1285  
1286  
1287  
1288  
1289  
1290  
1291  
1292  
1293  
1294  
1295  
1296  
1297  
1298  
1299  
1300  
1301  
1302  
1303  
1304  
1305  
1306  
1307  
1308  
1309  
1310  
1311  
1312  
1313  
1314  
1315  
1316  
1317  
1318  
1319  
1320  
1321  
1322  
1323  
1324  
1325  
1326  
1327  
1328  
1329  
1330  
1331  
1332  
1333  
1334  
1335  
1336  
1337  
1338  
1339  
1340  
1341  
1342  
1343  
1344  
1345  
1346  
1347  
1348  
1349  
1350  
1351  
1352  
1353  
1354  
1355  
1356  
1357  
1358  
1359  
1360  
1361  
1362  
1363  
1364  
1365  
1366  
1367  
1368  
1369  
1370  
1371  
1372  
1373  
1374  
1375  
1376  
1377  
1378  
1379  
1380  
1381  
1382  
1383  
1384  
1385  
1386  
1387  
1388  
1389  
1390  
1391  
1392  
1393  
1394  
1395  
1396  
1397  
1398  
1399  
1400  
1401  
1402  
1403  
1404  
1405  
1406  
1407  
1408  
1409  
1410  
1411  
1412  
1413  
1414  
1415  
1416  
1417  
1418  
1419  
1420  
1421  
1422  
1423  
1424  
1425  
1426  
1427  
1428  
1429  
1430  
1431  
1432  
1433  
1434  
1435  
1436  
1437  
1438  
1439  
1440  
1441  
1442  
1443  
1444  
1445  
1446  
1447  
1448  
1449  
1450  
1451  
1452  
1453  
1454  
1455  
1456  
1457  
1458  
1459  
1460  
1461  
1462  
1463  
1464  
1465  
1466  
1467  
1468  
1469  
1470  
1471  
1472  
1473  
1474  
1475  
1476  
1477  
1478  
1479  
1480  
1481  
1482  
1483  
1484  
1485  
1486  
1487  
1488  
1489  
1490  
1491  
1492  
1493  
1494  
1495  
1496  
1497  
1498  
1499  
1500  
1501  
1502  
1503  
1504  
1505  
1506  
1507  
1508  
1509  
1510  
1511  
1512  
1513  
1514  
1515  
1516  
1517  
1518  
1519  
1520  
1521  
1522  
1523  
1524  
1525  
1526  
1527  
1528  
1529  
1530  
1531  
1532  
1533  
1534  
1535  
1536  
1537  
1538  
1539  
1540  
1541  
1542  
1543  
1544  
1545  
1546  
1547  
1548  
1549  
1550  
1551  
1552  
1553  
1554  
1555  
1556  
1557  
1558  
1559  
1560  
1561  
1562  
1563  
1564  
1565  
1566  
1567  
1568  
1569  
1570  
1571  
1572  
1573  
1574  
1575  
1576  
1577  
1578  
1579  
1580  
1581  
1582  
1583  
1584  
1585  
1586  
1587  
1588  
1589  
1590  
1591  
1592  
1593  
1594  
1595  
1596  
1597  
1598  
1599  
1600  
1601  
1602  
1603  
1604  
1605  
1606  
1607  
1608  
1609  
1610  
1611  
1612  
1613  
1614  
1615  
1616  
1617  
1618  
1619  
1620  
1621  
1622  
1623  
1624  
1625  
1626  
1627  
1628  
1629  
1630  
1631  
1632  
1633  
1634  
1635  
1636  
1637  
1638  
1639  
1640  
1641  
1642  
1643  
1644  
1645  
1646  
1647  
1648  
1649  
1650  
1651  
1652  
1653  
1654  
1655  
1656  
1657  
1658  
1659  
1660  
1661  
1662  
1663  
1664  
1665  
1666  
1667  
1668  
1669  
1670  
1671  
1672  
1673  
1674  
1675  
1676  
1677  
1678  
1679  
1680  
1681  
1682  
1683  
1684  
1685  
1686  
1687  
1688  
1689  
1690  
1691  
1692  
1693  
1694  
1695  
1696  
1697  
1698  
1699  
1700  
1701  
1702  
1703  
1704  
1705  
1706  
1707  
1708  
1709  
1710  
1711  
1712  
1713  
1714  
1715  
1716  
1717  
1718  
1719  
1720  
1721  
1722  
1723  
1724  
1725  
1726  
1727  
1728  
1729  
1730  
1731  
1732  
1733  
1734  
1735  
1736  
1737  
1738  
1739  
1740  
1741  
1742  
1743  
1744  
1745  
1746  
1747  
1748  
1749  
1750  
1751  
1752  
1753  
1754  
1755  
1756  
1757  
1758  
1759  
1760  
1761  
1762  
1763  
1764  
1765  
1766  
1767  
1768  
1769  
1770  
1771  
1772  
1773  
1774  
1775  
1776  
1777  
1778  
1779  
1780  
1781  
1782  
1783  
1784  
1785  
1786  
1787  
1788  
1789  
1790  
1791  
1792  
1793  
1794  
1795  
1796  
1797  
1798  
1799  
1800  
1801  
1802  
1803  
1804  
1805  
1806  
1807  
1808  
1809  
1810  
1811  
1812  
1813  
1814  
1815  
1816  
1817  
1818  
1819  
1820  
1821  
1822  
1823  
1824  
1825  
1826  
1827  
1828  
1829  
1830  
1831  
1832  
1833  
1834  
1835  
1836  
1837  
1838  
1839  
1840  
1841  
1842  
1843  
1844  
1845  
1846  
1847  
1848  
1849  
1850  
1851  
1852  
1853  
1854  
1855  
1856  
1857  
1858  
1859  
1860  
1861  
1862  
1863  
1864  
1865  
1866  
1867  
1868  
1869  
1870  
1871  
1872  
1873  
1874  
1875  
1876  
1877  
1878  
1879  
1880  
1881  
1882  
1883  
1884  
1885  
1886  
1887  
1888  
1889  
1890  
1891  
1892  
1893  
1894  
1895  
1896  
1897  
1898  
1899  
1900  
1901  
1902  
1903  
1904  
1905  
1906  
1907  
1908  
1909  
1910  
1911  
1912  
1913  
1914  
1915  
1916  
1917  
1918  
1919  
1920  
1921  
1922  
1923  
1924  
1925  
1926  
1927  
1928  
1929  
1930  
1931  
1932  
1933  
1934  
1935  
1936  
1937  
1938  
1939  
1940  
1941  
1942  
1943  
1944  
1945  
1946  
1947  
1948  
1949  
1950  
1951  
1952  
1953  
1954  
1955  
1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968  
1969  
1970  
1971  
1972  
1973  
1974  
1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991  
1992  
1993  
1994  
1995  
1996  
1997  
1998  
1999  
2000  
2001  
2002  
2003  
2004  
2005  
2006  
2007  
2008  
2009  
2010  
2011  
2012  
2013  
2014  
2015  
2016  
2017  
2018  
2019  
2020  
2021  
2022  
2023  
2024  
2025  
2026  
2027  
2028  
2029  
2030  
2031  
2032  
2033  
2034  
2035  
2036  
2037  
2038  
2039  
2040  
2041  
2042  
2043  
2044  
2045  
2046  
2047  
2048  
2049  
2050  
2051  
2052  
2053  
2054  
2055  
2056  
2057  
2058  
2059  
2060  
2061  
2062  
2063  
2064  
2065  
2066  
2067  
2068  
2069  
2070  
2071  
2072  
2073  
2074  
2075  
2076  
2077  
2078  
2079  
2080  
2081  
2082  
2083  
2084  
2085  
2086  
2087  
2088  
2089  
2090  
2091  
2092  
2093  
2094  
2095  
2096  
2097  
2098  
2099  
2100  
2101  
2102  
2103  
2104  
2105  
2106  
2107  
2108  
2109  
2110  
2111  
2112  
2113  
2114  
2115  
2116  
2117  
2118  
2119  
2120  
2121  
2122  
2123  
2124  
2125  
2126  
2127  
2128  
2129  
2130  
2131  
2132  
2133  
2134  
2135  
2136  
2137  
2138  
2139  
2140  
2141  
2142  
2143  
2144  
2145  
2146  
2147  
2148  
2149  
2150  
2151  
2152  
2153  
2154  
2155  
2156  
2157  
2158  
2159  
2160  
2161  
2162  
2163  
2164  
2165  
2166  
2167  
2168  
2169  
2170  
2171  
2172  
2173  
2174  
2175  
2176  
2177  
2178  
2179  
2180  
2181  
2182  
2183  
2184  
2185  
2186  
2187  
2188  
2189  
2190  
2191  
2192  
2193  
2194  
2195  
2196  
2197  
2198  
2199  
2200  
2201  
2202  
2203  
2204  
2205  
2206  
2207  
2208  
2209  
2210  
2211  
2212  
2213  
2214  
2215  
2216  
2217  
2218  
2219  
2220  
2221  
2222  
2223  
2224  
2225  
2226  
222



TABLE 11—CONSOLIDATED SCHOOLS, 1945-46

No.	Consolidated School	County or District	Sections Consolidated	Assessment	No. of Teachers	Grade of Certificate		Enrolment	No. Conveyed	Average Attendance	No. in Fifth Class	No. in Continuation School
						I	II					
1	Barwick	Rainy River	4, 11, 12 Barwick	\$88,250	3	1	1	72	33	63.13	8	
2	Britt	Parry Sound	1 Henvey, 2 Wallbridge	61,500	3	3		135	39	126.76	9	
3	Burriss	Rainy River	1, 2 Burriss	51,560	2		2	50	19	37.23	5	
4	Charlton	Temiskaming	1, 2, 4 Duck	88,846	2	1	1	62	17	56.18	4	
5	Dorion	Thunder Bay	1, 2, 3 Dorion	79,209	2	2		69	69	65.28		
6	Grant	Carleton	3, 15 Nepean	951,380	6	5	1	181	50	163.69		
7	Grantham	Lincoln	5, 6 Grantham	491,750	8	7	1	284	75	219.37	18	
8	Hudson	Temiskaming	Hudson Township	99,605	2	1	1	78	68	66.56		
9	Humber Heights	York	5 Etobicoke (3 schools)	779,415	10	8	2	303	91	259.73		
10	Katrine	Parry Sound	1, 5 Armour	53,980	1		1	30	12	24.57		
11	Macdonald	Wellington	612, 7 Guelph	619,280	6	5	1	192	61	154.28	20	
12	Mallorytown	Leeds	4, 5, 6 Front of Yonge, part 18 Escott	243,576	4		2	118	77	105.66		45
13	Morley	Rainy River	1, 7 Morley, 9 Morley and Dilke, 1 Long Sault	185,318	3	1	2	97	72	89.30	6	
14	Nobel	Parry Sound	1 Carling, 3 McDougall	257,940	8	6	2	214	80	215.17	7	5
15	North Mountain	Dundas	9, 12, 13, 14 Mountain, part South Gower	485,211	4	3	1	155	140	119.51		55
16	Pointe Au Baril	Parry Sound	1, 2 Harrison	316,336	2	1	1	43	43	35.00	2	
17	Quibell	Kenora	1, 2, 3 Wabigoon, 1 Redvers	33,981	2	1	1	60	48	53.07	5	
18	Savard	Temiskaming	3, 4, 5 Robillard, 1, 2, 3, 1 Savard	60,315	2	2		71	65	58.97	6	
19	Tamworth	Lennox and Addington	3, 5, 6, 7, 10 Sheffield, 28 Camden	375,356	4	1	1	93	80	84.61		55
20	Tweed	Hastings	3, 5 Hungerford, Village of Tweed	718,481	6	2	4	173	91	157.25		
21	Wellington	Prince Edward	10, 11 Hillier, 8 Hallowell, village of Wellington	1,366,188	6	4	2	237	92	104.61		91
Totals				\$7,437,507	86	57	26	2,717	1,382	2,110.26	90	251



TABLE 11—CONSOLIDATED SCHOOLS, 1945-46

No.	Consolidated Schools	Cost of Operation										Total Legis- lative Grant, 1945-46	Cost per Pupil of Average Attendance		
		Teachers' Salaries		Transporta- tion		Total Current		Capital Charges		Gross Costs			To Government		Total
		\$	c.	\$	c.	\$	c.	\$	c.	\$	c.		\$	c.	
1	Barwick	4,400.00		2,150.00		9,138.78		1,598.32		10,737.10		55.16	114.75	169.91	
2	Brill	1,057.44		2,572.47		9,593.42				9,593.12		6.90	68.77	75.67	
3	Burriss	2,784.00		3,920.12		8,251.32		1,452.98		9,704.30		16.12	244.23	260.25	
4	Charlton	2,982.00		2,350.25		7,238.07				7,238.67		16.74	109.10	125.84	
5	Dorion	3,000.00		2,850.00		10,950.96		983.71		11,934.67		52.39	130.42	182.81	
6	Grant	8,594.00		404.36		12,300.65		6,192.50		18,583.15		56.67	56.85	113.52	
7	Grantham	12,100.00		1,000.00		15,243.47				15,243.47		22.71	38.41	61.12	
8	Hudson	2,705.00		2,503.64		6,700.62				6,700.62		35.36	65.31	100.67	
9	Humber Heights	17,972.00		2,257.50		29,124.29		10,539.00		39,663.29		101.21	48.49	152.70	
10	Katrine	1,200.00		1,007.50		2,837.70				2,837.70		55.41	109.91	165.32	
11	Macdonald	9,005.70		595.00		15,931.00				15,931.00		48.18	55.09	103.27	
12	Mallorytown	6,200.00		3,658.95		13,514.92				13,514.92		61.32	63.58	127.90	
13	Morley	3,972.00		3,717.72		9,270.73				9,270.73		41.85	61.95	103.80	
14	Nobel	12,246.00		3,000.00		22,798.27		501.86		23,300.13		10.64	84.27	94.91	
15	North Mountain	11,207.21		6,495.74		27,474.74				27,474.74		103.36	126.17	229.83	
16	Pointe Au Baril	1,800.00		2,890.00		5,486.99				5,486.99		66.06	90.70	156.76	
17	Quibel	2,900.00		3,803.45		7,907.00		1,097.48		9,604.48		24.56	156.66	181.22	
18	Savard	3,640.00		4,708.12		13,472.04		1,002.62		14,474.66		77.20	168.25	245.45	
19	Tamworth	4,260.00		3,520.00		8,918.12				8,918.12		42.29	56.44	98.73	
20	Tweed	8,500.00		5,138.54		24,277.31				24,277.31		113.56	52.83	154.39	
21	Wellington	16,787.00		4,378.00		30,207.18		8,256.63		38,463.81		83.97	113.66	197.63	
Totals and averages		140,312.35		63,181.36		290,731.18		32,225.10		322,956.28		54.77	79.22	133.99	

The former consolidated schools of Falls View, Gooderham, Mindemoya, Nipigon, Sundridge, West Gairford and Wilberforce are now part of Township School Areas.

TABLE 12—PROTESTANT SEPARATE SCHOOLS, 1946

Financial data is for calendar year 1946, statistical data for school year 1945-46

	S.S. 1 Grattan (Renfrew)	S.S. 2 Hagerty (Renfrew)	Penetanguishene Town (Simcoe)	Totals
Number of Schools.....	1	1	1	3
RECEIPTS:				
Balance from 1945.....	\$206.69	\$23.62	\$1,121.26	\$1,351.57
Legislative Grants.....	763.25	1,225.84	4,900.77	6,889.86
Local Levy.....	1,376.81	994.91	5,735.00	8,106.72
Other Sources.....				
Totals.....	\$2,346.75	\$2,244.37	\$11,760.03	\$16,351.15
DISBURSEMENTS:				
Teachers' Salaries.....	\$1,185.00	\$1,242.00	\$7,018.80	\$9,473.80
Other Current Operations.....	433.90	347.07	4,022.72	4,803.69
Total Current Operations.....	\$1,618.90	\$1,587.07	\$11,071.52	\$14,277.49
Balance on hand, Dec. 31.....	\$727.85	\$657.30	\$688.51	\$2,073.66
Cost per pupil-day (cents).....	62.7	45.4	51.9	52.1
Current Assets.....	\$1,311.53	\$1,008.90	\$515.11	\$2,835.54
Current Liabilities.....	662.58	370.80	144.08	1,177.46
Capital Assets.....	6,000.00	2,100.00	30,775.00	38,875.00
Capital Liabilities.....				
Assessment.....	\$58,775	\$14,200	\$571,836	\$644,811
Pupil-days Attended.....	2,581	3,496	21,343	27,420
Average Daily Attendance.....	13	18	109	140
Teachers.....	1	1	5	7
Certificates.....	T	11	1(1), 4(11)	1(1), 5(11), 1(T)



Courtesy S. B. Coon and Son, Architects, Toronto

Hanna Memorial School, Sarnia, Ontario  
Pupils' Entrance

TABLE 13—FINANCIAL STATISTICS, 1946  
(as reported by Trustee Boards)

	Cities	Towns and Villages	Large Semi-Urban	Ordinary Rural Counties	Ordinary Rural Districts	All Ordinary Rural	All Public Elementary
<b>ORDINARY</b>							
<b>Revenue Receipts:</b>							
Provincial Grants.....	\$5,021,541	\$2,724,038	\$1,985,126	\$5,529,463	\$1,522,301	\$7,051,761	\$16,782,469
Township Grants.....	11,377,217	3,261,984	250,115	2,817,792	52,785	2,900,577	3,150,992
Local Tax Levies.....	216,392	129,188	170,877	2,411,154	558,151	2,969,288	19,372,336
Other Sources.....			163,332	164,632	43,181	208,113	657,025
Total.....	\$16,615,150	\$6,118,210	\$1,099,750	\$10,953,011	\$2,176,701	\$13,129,742	\$39,992,852
<b>Disbursements:</b>							
Instruction.....	\$10,575,583	\$3,887,259	\$2,441,240	\$6,919,976	\$1,212,410	\$8,132,386	\$25,036,468
Total Current Operations.....	\$14,679,469	\$5,517,352	\$3,345,299	\$9,785,118	\$1,805,918	\$11,591,066	\$35,133,186
Capital Charges.....	1,081,235	113,617	197,106	175,599	85,289	260,888	3,002,846
Capital Outlays from Current Funds.....	312,572	217,997	251,699	407,348	117,818	525,166	1,307,434
Total Current and Capital.....	\$16,793,276	\$6,178,966	\$1,094,104	\$10,368,095	\$2,009,025	\$12,377,120	\$39,143,466
Transportation—to Elementary Schools to Secondary Schools.....	\$7,911	\$22,393	\$35,009	\$213,027	\$71,842	\$284,869	\$350,182
CAPITAL		19,102	10,433	247,114	51,587	302,031	331,566
Capital borrowings.....	\$1,291,983	\$528,490	\$127,016	\$421,482	\$173,225	\$591,707	\$2,812,796
Other Capital Income.....	201,251	32,868	35,567	79,712	6,134	85,876	355,565
Capital Outlays from Capital Funds.....	793,661	168,436	601,529	331,724	141,698	473,422	2,037,051
ASSETS AND LIABILITIES							
Current Assets.....	\$587,978	\$601,239	\$846,095	\$5,719,276	\$854,906	\$6,574,182	\$8,610,094
Current Liabilities.....	86,501	168,625	573,426	252,594	86,501	339,095	1,169,647
*Capital Assets—Land and Buildings.....	50,129,267	18,340,748	10,889,342	29,650,810	3,225,265	2,387,035	103,235,392
Furniture and Equipment.....	3,580,231	1,966,547	1,293,297	3,775,582	650,261	4,425,843	11,267,921
†Capital Liabilities—Debtenture Principal.....	7,219,592	2,580,654	4,819,193	1,106,763	359,005	1,465,768	16,085,107
—Capital Loans.....	1,186,857	252,476	38,616	109,925	131,838	235,763	1,713,712
Assessment.....	\$1,781,211,586	\$373,804,636	\$113,211,893	\$965,056,766	\$36,338,721	\$701,395,487	\$2,999,623,602
Classrooms in Operation—regular.....	4,263	2,318	1,218	5,162	963	6,098	13,897
special.....	536	208	93	105	10	115	952
Total.....	4,799	2,526	1,311	5,267	946	6,213	14,849
Assessment per Regular Classroom.....	\$117,830	\$161,262	\$117,579	\$128,837	\$38,823	\$115,020	\$215,847
Average Daily Attendance for Calendar Year.....	150,110	77,414	38,186	103,191	18,810	122,301	388,341
Average Daily Attendance per Regular Classroom.....	35	33	31	20	20	20	28
Pupil-days Attended.....	29,268,295	11,875,502	7,462,253	29,011,052	3,609,133	23,620,185	75,254,115
Cost per Pupil-day (cents)							
(a) Current Operations.....	50.2	37.1	11.8	18.9	50.0	49.1	46.7
(b) Capital Charges.....	3.7	3.0	6.7	9.9	2.4	1.1	1.0
(c) Capital Outlay from Current Funds.....	1.1	1.5	3.4	2.0	3.3	2.2	1.7
(d) Totals of (a), (b), and (c).....	55.0	41.6	54.9	51.8	55.7	52.1	52.4

THE ROMAN CATHOLIC SEPARATE SCHOOLS  
TABLE 14—AGE-GRADE DISTRIBUTION, SCHOOL YEAR 1945-46

(A) ALL SEPARATE SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY.....	Boys Girls	17 2	56 68	54 46	17 6	2 3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	146 126	272
GRADE I.....	Boys Girls	220 217	3,369 3,274	3,482 3,149	1,067 763	254 196	87 53	35 34	21 24	28 3	2 1	3 2	.....	.....	.....	.....	8,583 7,723	16,306
GRADE II.....	Boys Girls	.....	77 139	2,143 2,530	2,844 2,743	1,241 870	139 245	154 92	78 28	27 21	10 4	2 1	.....	.....	.....	.....	7,037 6,074	13,711
GRADE III.....	Boys Girls	.....	1 1	113 268	1,792 2,182	2,606 2,360	1,131 954	631 375	269 114	107 51	31 22	7 10	1 2	2	.....	.....	6,993 6,369	13,362
GRADE IV.....	Boys Girls	.....	.....	9 3	189 299	1,526 1,925	2,152 2,093	1,204 1,022	631 416	312 191	154 65	34 23	6 5	.....	.....	.....	6,307 6,043	12,350
GRADE V.....	Boys Girls	.....	.....	.....	13 12	306 299	1,551 1,670	2,025 1,413	1,359 1,146	785 588	367 229	149 94	32 23	2 1	.....	.....	6,590 6,175	12,765
GRADE VI.....	Boys Girls	.....	.....	.....	.....	15 18	307 398	1,351 1,648	1,782 1,925	1,338 1,131	752 532	320 218	83 50	4 .....	7	.....	5,952 5,927	11,879
GRADE VII.....	Boys Girls	.....	.....	.....	.....	.....	16 28	312 143	1,167 1,559	1,699 1,855	1,241 1,099	619 483	194 131	6 10	.....	.....	5,257 5,579	10,836
GRADE VIII.....	Boys Girls	.....	.....	.....	.....	.....	1 .....	26 31	333 486	1,242 1,556	1,790 1,957	1,171 1,026	432 297	66 28	1 .....	.....	5,062 5,382	10,444
GRADE IX.....	Boys Girls	.....	.....	.....	.....	.....	.....	1 2	9 11	150 301	376 695	415 592	230 206	76 10	24 2	1 2	1,282 1,884	3,166
GRADE X.....	Boys Girls	.....	.....	.....	.....	.....	.....	.....	3 3	49 48	158 300	401 573	322 392	128 123	39 38	10 5	1,110 1,484	2,594
JR. AUXILIARY CLASSES.....	Boys Girls	.....	1	5	19 3	35 10	37 21	53 20	62 31	57 33	49 24	18 26	25 17	16 7	10 1	.....	417 196	613
TOTALS BY SEXES.....	Boys Girls	15 7	239 219	3,504 3,482	5,808 5,996	5,941 5,681	5,985 5,463	5,882 5,732	5,711 5,806	5,794 5,781	4,933 1,928	3,469 3,018	1,325 1,121	300 210	75 50	41 7	51,736 53,562	
GRAND TOTALS.....	.....	22	458	6,986	11,804	11,949	11,666	11,504	11,634	11,520	9,861	6,217	2,419	510	125	18	108,298	

Heavy lines denote ideal age spread for each grade.



## (B) RURAL SEPARATE SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN- PRIMARY.....																		
Boys																		
Girls																		
GRADE I.....	5	52	624	829	330	79	37	9	12	9	2	3					1,991	3,732
Boys	2	19	631	713	246	57	25	7	7	1							1,711	
Girls																		
GRADE II.....		1	22	330	573	317	141	56	28	10	6	1					1,485	2,800
Boys			29	401	550	220	67	30	7	6	3	1	1				1,315	
Girls																		
GRADE III.....				27	310	516	346	168	61	40	10	1	1	1			1,481	2,822
Boys				46	492	553	253	103	37	17	9	4	2				1,311	
Girls																		
GRADE IV.....				1		261	408	311	159	98	42	10	3				1,325	2,505
Boys						378	531	383	100	44	23	6	2				1,180	
Girls																		
GRADE V.....							36	251	391	187	90	29	7				1,319	2,582
Boys							62	311	246	113	44	12	3				1,263	
Girls																		
GRADE VI.....							1	33	340	286	146	63	11				1,090	2,159
Boys							6	79	349	217	96	35	9				1,069	
Girls																		
GRADE VII.....								1	183	296	212	99	22	1			852	1,794
Boys								6	239	326	189	78	28	1			912	
Girls																		
GRADE VIII.....								6	45	213	323	205	51	5			818	1,833
Boys								10	87	283	363	190	51	1			985	
Girls																		
GRADE IX.....									2	17	65	59	23	6			172	467
Boys									3	31	102	110	39	9			293	
Girls																	1	
GRADE X.....										1	18	47	14	11	2		125	368
Boys										1	33	87	88	24	3		243	
Girls																	2	4
JR. AUXILIARY CLASSES.....								2										
Boys																		
Girls																		
TOTALS BY SEXES.....	5	53	646	1,187	1,243	1,216	1,220	1,182	1,157	1,157	914	517	165	24	2		10,690	
Boys	2	19	663	1,160	1,214	1,168	1,159	1,190	1,075	1,039	862	523	223	38	4		10,376	
Girls																		
GRAND TOTALS.....	7	102	1,309	2,347	2,457	2,384	2,379	2,372	2,232	2,196	1,776	1,040	388	62	9	6		21,066



(C) URBAN SEPARATE SCHOOLS

	Under 5 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years and over	Totals	Totals by Grades
KINDERGARTEN-PRIMARY.....	Boys Girls	17 2	56 68	54 46	17 6	2 3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	116 126	272
GRADE I.....	Boys Girls	168 5	2,745 2,640	2,653 2,436	737 517	175 139	50 28	26 27	9 17	19 2	.....	.....	.....	.....	.....	.....	6,592 5,982	12,574
GRADE II.....	Boys Girls	1 .....	55 110	1,813 2,129	2,271 2,193	924 650	318 178	98 62	50 21	17 15	4 1	.....	.....	.....	.....	.....	5,552 5,359	10,911
GRADE III.....	Boys Girls	.....	1 1	88 222	1,482 1,801	2,090 1,868	1,085 701	163 272	208 107	67 31	21 13	6 6	.....	1	.....	.....	5,512 5,028	10,540
GRADE IV.....	Boys Girls	.....	.....	8 3	160 261	1,262 1,594	1,714 1,710	983 769	472 316	211 117	112 42	24 17	3 3	.....	.....	.....	4,982 4,863	9,845
GRADE V.....	Boys Girls	.....	.....	12 10	12 237	270 1,300	1,300 1,326	1,634 1,676	1,032 900	598 475	277 185	120 82	25 25	2 1	.....	.....	5,271 4,912	10,183
GRADE VI.....	Boys Girls	.....	.....	.....	.....	11 12	274 319	1,147 1,370	1,442 1,576	1,052 914	606 436	257 183	69 41	4 .....	.....	.....	4,862 4,858	9,720
GRADE VII.....	Boys Girls	.....	.....	.....	.....	.....	12 22	277 341	981 1,330	1,103 1,529	1,032 910	520 405	172 103	5 6	.....	.....	4,405 4,637	9,042
GRADE VIII.....	Boys Girls	.....	.....	.....	.....	.....	1 .....	20 21	288 399	1,029 1,273	1,467 1,594	966 836	381 246	61 27	.....	.....	4,214 4,397	8,611
GRADE IX.....	Boys Girls	.....	.....	.....	.....	.....	.....	1 2	7 38	133 273	311 593	356 482	207 167	70 31	24 2	1 1	1,110 1,589	2,699
GRADE X.....	Boys Girls	.....	.....	.....	.....	.....	.....	.....	.....	3 48	47 267	354 486	278 301	117 99	37 31	8 2	985 1,211	2,226
JR. AUXILIARY CLASSES.....	Boys Girls	.....	1	5	10	35	37	51	62	57	19	48	25	16	10	.....	415 194	609
TOTALS BY SEXES.....	Boys Girls	186 5	2,858 2,819	4,621 4,836	4,698 4,791	4,769 4,513	4,821 4,304	4,700 4,562	4,557 4,731	4,637 4,772	1,019 1,066	2,452 2,923	1,160 901	276 172	73 13	9 3	11,046 43,186	
GRAND TOTALS.....	.....	15	356	5,677	9,492	9,282	9,125	9,292	9,288	9,379	8,085	5,177	2,061	418	116	12	87,232	

Note: Large suburban schools are included with urban.



*Courtesy Rural Editorial Service, Canadian School Jour*

TABLE 15—RETIREMENTS FROM R.C. SEPARATE SCHOOLS  
(from School Opening, September, 1945 to School Opening, September, 1946)

RURAL SCHOOLS

Ages →		9 and Under	10	11	12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals
Grade I and Lower..	Boys	15				1							16	
	Girls	6	1	1		2							10	26
Grade II .....	Boys		1	1		1	3	2					8	
	Girls	4	3			1							8	16
Grade III.....	Boys	1	3	1		1	5	1	2				13	
	Girls	3	2	1	1	2	4	1	1				15	28
Grade IV.....	Boys	1		2	3	3	14	5	1				29	
	Girls	1	2			3	5	7	1				19	48
Grade V.....	Boys		2	3	3		14	14	8				41	
	Girls	1	2	1	3	5	8	9	2				31	75
Grade VI.....	Boys			2	1	6	37	26	16	1			89	
	Girls			2	1	8	27	20	3				61	150
Grade VII.....	Boys					4	47	53	25				129	
	Girls			1	1	9	35	26	20	3			95	224
Grade VIII.....	Boys			1	4	14	90	78	15	3			235	
	Girls				1	11	75	91	42	5			225	460
Grade IX.....	Boys					2	10	9	21	3	1		46	
	Girls					2	11	17	19	5			54	100
Grade X.....	Boys							8	15	7			30	
	Girls						7	18	27	8	1	1	62	92
Jr. Auxiliary.....	Boys						1						1	
	Girls													1
Totals by Sex.....	Boys	17	5	10	11	32	221	196	133	14	1		640	
	Girls	15	10	6	7	43	172	189	115	21	1	1	580	
Grand Totals.....		32	15	16	18	75	393	385	248	35	2	1		1,22

URBAN SCHOOLS

Ages →		9 and Under	10	11	12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals
Grade I and Lower..	Boys	16				1		1					20	
	Girls	30	1				1						32	52
Grade II .....	Boys	9		2		1							12	
	Girls	6		2			1	3					12	24
Grade III.....	Boys	2	2	2		1	3	2					12	
	Girls	4	1		1	1	2	1					10	22
Grade IV.....	Boys	2	5	4	12	4	9	16	3				55	
	Girls	3	5	3	5	7	10	5	1				39	94
Grade V.....	Boys	1		1	2	10	23	49	32				118	
	Girls		2		4	9	23	15	6				59	177
Grade VI.....	Boys				3	9	34	83	49	3			181	
	Girls	1	1	3	5	3	47	62	41	7			170	351
Grade VII.....	Boys				2	6	39	132	131	16		2	328	
	Girls				2	11	56	149	97	7		1	323	651
Grade VIII.....	Boys					5	24	180	190	16	2	1	418	
	Girls					9	42	199	179	16	1	2	448	866
Grade IX.....	Boys					5	19	64	84	25	2		199	
	Girls				1	2	20	85	87	34	1		230	429
Grade X.....	Boys					1	10	58	76	46	18	4	213	
	Girls						8	35	123	79	14	3	262	475
Jr. Auxiliary.....	Boys				3	1	2	26	46	2			80	
	Girls			1	1		1	5	8				16	96
Totals by Sex.....	Boys	30	8	9	22	44	164	611	611	108	22	7	1,636	
	Girls	44	10	9	19	42	211	559	542	143	16	6	1,601	
Grand Totals.....		74	18	18	41	86	375	1,170	1,153	251	38	13		3,237
Grand Totals, Rural and Urban.....	Boys	47	13	19	33	76	385	807	744	122	23	7	2,276	
	Girls	59	20	15	26	85	383	748	657	164	17	7	2,181	
Total		106	33	34	59	161	768	1,555	1,401	286	40	14		4,457

**TABLE 16—FINANCIAL STATISTICS, 1946**  
(as reported by Trustee Boards)

	Cities	Towns and Villages	Large Semi-Urban	Ordinary Rural	Totals for all R. C. Separate Schools
<b>ORDINARY</b>					
<b>Revenue Receipts:</b>					
Provincial Grants.....	\$912,180	\$575,327	\$261,191	\$873,891	\$2,623,592
Local Tax Levies.....	1,988,247	651,187	115,510	448,478	3,203,422
Other Sources.....	153,624	153,603	12,180	86,462	389,871
Total.....	\$3,056,351	\$1,362,319	\$389,384	\$1,408,831	\$6,216,885
<b>Disbursements:</b>					
Instruction.....	\$1,677,919	\$748,271	\$231,082	\$867,738	\$3,525,610
Total Current Operations.....	\$2,632,675	\$1,120,872	\$316,791	\$1,217,152	\$5,287,490
Capital Charges.....	330,419	145,363	69,229	90,094	635,305
Capital Outlays from Current Funds.....	109,872	80,705	18,587	80,473	289,637
Total Current and Capital.....	\$3,072,966	\$1,347,140	\$404,607	\$1,387,719	\$6,212,432
Transportation—to Elementary Schools.....	\$2,685	\$7,266	\$2,252	\$14,746	\$26,959
—to Secondary Schools.....		369	232	2,557	3,158
<b>CAPITAL</b>					
Capital borrowings.....	\$332,836	\$511,769	\$138,000	\$415,017	\$1,397,622
Other Capital Income.....	58,818	28,327	3,071	11,234	131,450
Capital Outlays from Capital Funds.....	301,214	270,569	184,985	231,669	988,407
<b>ASSETS AND LIABILITIES</b>					
Current Assets.....	\$377,350	\$232,466	\$61,661	\$305,877	\$1,177,351
Current Liabilities.....	217,797	222,997	55,126	177,660	673,580
Capital Assets—Land and Buildings.....	13,412,032	4,748,492	937,772	3,049,013	22,147,309
—Furniture and Equipment.....	879,804	527,001	169,674	465,301	2,041,840
Capital Liabilities—(net).....	3,818,563	1,988,618	666,448	832,637	7,336,266
Assessment.....	\$148,957,248	\$40,919,407	\$5,671,455	\$13,386,024	\$238,934,124
Classrooms in Operation—regular.....	1,489	737	205	807	3,238
—special.....	119	35	5	23	182
Total.....	1,608	772	210	830	3,420
Assessment per Regular Classroom.....	\$100,038	\$55,521	\$27,666	\$53,762	\$73,790
Average Daily Attendance for the Calendar Year.....	52,182	22,712	5,142	18,690	98,636
Average Daily Attendance per Regular Classroom.....	35	31	25	23	30
Pupil-days Attended.....	9,711,487	4,403,363	1,092,152	3,402,637	18,809,641
Cost per Pupil-day (in cents)					
(a) Current Operations.....	27.1	25.4	29.0	33.8	28.1
(b) Capital Charges.....	3.4	3.3	6.3	3.4	3.4
(c) Capital Outlays from Current Funds.....	1.1	1.8	1.7	2.2	1.5
(d) Totals of (a), (b), and (c).....	31.6	30.5	37.0	38.5	33.0



TABLE 17—SUMMARY FOR SECONDARY SCHOOLS

of  
Schools, Teachers, Salaries, and Certificates  
1945-46

	Academic				Vocational and Special Industrial		
	Continuation Schools	Collegiate Institutes and High Schools			Vocational Schools*	Special Industrial Schools	Both
		Collegiate Institutes	High Schools	Both			
<b>Schools—</b>							
Number.....	194	71	165	236	43	5	48
Increase for yr.....			1	1			
Decrease for yr.....	2				16†		16
<b>Teachers—</b>							
Total.....	519	1,812	1,278	3,090	1,494	66	1,560
Men.....	230	1,035	585	1,620	992	34	1,026
Women.....	289	777	693	1,470	502	32	534
Increase for yr.....	13	136	98	234	De.123	2	De.121
Percentage men 1945-46.....	44.32	57.1	45.8	52.43	66.4	51.5	65.77
1944-45.....	38.93	56.8	40.4	50.04	62.6	50.0	61.69
1943-44.....	39.24	57.0	39.8	49.86	61.7	51.6	61.33
<b>Salaries—</b>							
Highest.....	\$3,275	\$5,000	\$4,500	\$5,000	\$5,000	\$4,100	\$5,000
Average:							
Principal.....	2,004	4,069	2,956	3,291	4,228	3,561	4,159
Increase for yr.....	129	107	130	122	182	111	175
Male Assistant.....	1,800	2,889	2,242	2,704	2,962	2,981	2,963
Increase for yr.....	171	76	124	77	105	144	106
Female Assistant.....	1,699	2,537	2,042	2,307	2,631	2,505	2,624
Increase for yr.....	114	85	114	100	183	107	179
All Teachers.....	1,842	2,787	2,231	2,563	2,891	2,799	2,887
Increase for yr.....	129	84	119	99	144	131	143
<b>Graduates—</b>							
Number (1945-46).....	292	1,673	1,153	2,826	1,098	17	1,115
Percentage 1945-46.....	56.26	92.3	90.2	91.46	73.5	25.8	71.47
1944-45.....	56.92	91.5	91.7	91.59	75.7	30.3	73.88
1943-44.....	60.97	91.3	91.7	91.46	74.7	26.6	72.81
<b>Specialists—</b>							
Number (1945-46).....	107	1,416	701	2,117	921	6	927
Percentage 1945-46.....	20.62	78.1	54.9	68.51	61.6	9.1	59.42
1944-45.....	19.76	79.2	54.2	68.84	63.1	10.6	61.09
1943-44.....	20.93	81.5	57.4	71.49	64.4	6.2	62.11

\*Vocational Schools are treated as a separate unit, though many teachers spend part-time in the academic department of a composite school.   †These 16 former composite schools now treated as academic.



TABLE 18—ANNUAL DEPARTMENTAL EXAMINATION RESULTS, 1946

## THE SECONDARY SCHOOL HONOUR GRADUATION DIPLOMA—

Issued to pupils completing Grade XIII in 1946

Classes of Schools	Total Number of Candidates Reported	Total Number of Candidates Qualifying	Classification of successful candidates by year in which the required standing in eight U.S. papers was obtained	
			(a) All in 1946	(b) Part in 1946 and part in previous years
Collegiate Institutes.....	3,338	2,193	1,342	851
High Schools.....	1,961	1,164	742	422
Continuation Schools.....	325	182	89	93
Vocational Schools.....	228	113	81	32
Collegiates or High Schools combined with Vocational Schools or Departments.....	1,407	924	568	356
Totals.....	7,259	4,576	2,822	1,754

## THE SECONDARY SCHOOL GRADUATION DIPLOMA

Issued to pupils completing Grade XII in 1946

Classes of Schools	Total number of pupils recom- mended	Pupils Classified by Courses								
		General				Indus- trial	Agri- culture	Home Eco- nomics	Com- mercial	Art
		Total	Regular	5-Opt	3-Opt					
Collegiate Institutes.....	3,558	3,359	2,441	462	456				199	
High Schools.....	2,118	2,260	1,965	78	217	1			154	
Continuation Schools.....	936	933	807	21	105				3	
Vocational Schools.....	1,553	168	147	2	19	539		60	756	30
Collegiates or High Schools com- bined with Vocational Schools or Departments.....	2,102	1,316	1,104	176	36	297	7	6	472	4
Private Schools.....	1,555	1,530	1,325	52	153			14	11	
Totals.....	12,122	9,566	7,789	791	986	840	7	80	1,595	34

## INTERMEDIATE CERTIFICATE—Issued to pupils completing Grade X in 1946

Classes of Schools	Total number of pupils recom- mended	Pupils Classified by Courses					
		General	Indus- trial	Agri- culture	Home Eco- nomics	Com- mercial	Art
<b>Secondary Schools:</b>							
Collegiate Institutes.....	5,316	4,899				417	
High Schools.....	4,456	4,183	4			269	
Continuation Schools.....	1,783	1,783					
Vocational Schools.....	3,482	435	1,151		221	1,587	88
Collegiate or High Schools combined with Vo- cational Schools or Departments.....	3,507	2,085	591	10	63	749	9
<b>Primary Schools:</b>							
Fifth Classes of Public Schools (with a few Grade C Continuation Schools).....	550	380				169	1
Fifth Classes of Roman Catholic Separate Schools.....	1,606	1,469				137	
Totals.....	20,700	15,234	1,716	10	284	3,328	98

TABLE 18—ANNUAL DEPARTMENTAL EXAMINATION RESULTS, 1946

## Middle School Statistics, June, 1946

Subjects	Number of Candidates	Number Recommended	Standing Granted by Board	Aegrotat	Total Successful	Per cent. Successful 1946	Per cent. Successful 1945
English Composition.....	13,099	11,603	47	.....	11,650	88.94	90.57
English Literature.....	13,108	11,608	52	.....	11,660	88.95	90.61
Modern History.....	14,368	12,658	49	.....	12,707	88.44	90.25
Ancient and Mediaeval History.....	15,673	13,612	3	.....	13,615	86.87	87.05
Algebra.....	17,131	13,799	25	.....	13,824	80.70	80.43
Geometry.....	13,402	11,346	65	1	11,412	85.15	86.83
Physics.....	13,626	11,583	15	.....	11,598	85.12	86.09
Chemistry.....	12,282	10,368	41	.....	10,109	84.75	86.51
Latin Authors.....	10,755	8,801	61	.....	8,862	82.40	85.85
Latin Composition.....	10,765	8,808	63	.....	8,871	82.41	85.93
French Authors.....	12,089	9,992	100	.....	10,092	83.48	83.49
French Composition.....	12,139	10,001	102	.....	10,103	83.23	83.49
German Authors.....	928	838	9	.....	847	91.27	89.28
German Composition.....	928	838	9	.....	847	91.27	89.28
French Literature.....	347	332	.....	.....	332	95.68	97.77
Special French Composition.....	345	330	.....	.....	330	95.65	97.77
Agricultural Science I.....	2,318	2,102	3	.....	2,105	90.81	84.65
Agricultural Science II.....	1,700	1,499	2	.....	1,501	88.29	89.11
Greek Authors.....	32	31	.....	.....	31	96.88	95.74
Greek Accidence.....	32	31	.....	.....	31	96.88	95.71
Spanish Authors.....	621	524	2	.....	526	84.70	83.33
Spanish Composition.....	611	514	2	.....	516	84.45	83.33
Italian Authors.....	1	1	.....	.....	1	100.00	100.00
Italian Composition.....	1	1	.....	.....	1	100.00	100.00
Commercial Work.....	700	644	5	.....	649	92.71	93.60
Shop Work.....	513	499	.....	.....	499	97.27	96.57
Home Economics.....	203	199	.....	.....	199	98.03	97.61
Music.....	201	190	.....	.....	190	94.53	93.53
Art.....	178	165	.....	.....	165	92.70	97.95
Music and Art.....	40	38	.....	.....	38	95.00	96.36
Geography.....	363	335	1	.....	336	92.56	94.72
Totals.....	168,499	143,290	656	1	143,947	85.43	86.55

Total Number of Candidates.....33,606

Total Number of Centres.....540

## Upper School Statistics, June, 1946

Subjects	Number of Candidates	Candidates Writing		Aegrotat	Appeals		Total Successful	Per cent.	
		Number Passing	Per cent. Passing		Total Number	Number Sust'd		1946	1945
English Composition.....	10,030	8,081	80.57	55	303	107	8,243	82.18	86.41
English Literature.....	9,960	6,789	68.16	65	651	343	7,197	72.26	76.11
Modern History.....	4,814	3,466	71.94	41	136	48	3,555	73.85	84.79
Algebra.....	5,609	4,353	77.61	21	90	31	4,405	78.53	79.28
Geometry.....	6,838	5,069	74.13	44	122	41	5,154	75.37	85.76
Trigonometry and Statics.....	7,349	5,335	72.59	47	151	38	5,420	73.75	81.80
Botany.....	4,287	2,878	67.13	34	161	49	2,961	69.07	79.83
Zoology.....	4,572	3,297	72.11	28	178	69	3,394	74.23	81.88
Physics.....	5,350	4,276	79.92	29	87	20	4,325	80.84	82.31
Chemistry.....	6,368	5,208	81.78	43	92	21	5,272	82.79	79.18
Latin Authors.....	2,418	1,866	77.17	26	84	27	1,919	79.36	83.29
Latin Composition.....	2,396	1,905	79.51	25	65	23	1,953	81.51	89.37
French Authors.....	7,565	5,711	75.49	48	355	139	5,898	77.96	82.08
French Composition.....	7,420	5,657	76.24	58	245	54	5,769	77.75	85.09
German Authors.....	440	358	81.36	6	16	4	368	83.64	88.52
German Composition.....	445	369	82.92	5	13	2	376	84.49	86.88
French Literature.....	79	68	86.08	1	1	1	70	88.61	80.30
Special French Composition.....	86	73	84.88	.....	.....	.....	73	84.88	67.74
Greek Authors.....	30	26	86.67	.....	.....	.....	26	86.67	100.00
Greek Composition.....	30	28	93.33	.....	.....	.....	28	93.33	89.47
Spanish Authors.....	249	208	83.53	3	5	4	215	86.34	86.23
Spanish Composition.....	248	221	89.11	1	9	2	224	90.32	83.21
Italian Authors.....	9	9	100.00	.....	.....	.....	9	100.00	100.00
Italian Composition.....	8	6	75.00	.....	1	.....	6	75.00	100.00
Music.....	50	44	88.00	.....	1	1	45	90.00	91.89
Totals.....	86,650	65,301	75.36	580	2,766	1,024	66,905	77.21	82.41

Total Number of Candidates.....14,718

Total Number of Centres.....377

## August Upper School Statistics, 1946

Subjects	Number of Candidates Writing	Number Passing	Per cent. Passing	Appeals		Total Successful	Per cent. Successful	
				Total Number	Number Sustained		1943	1945
English Composition.....	80	61	76.25	1	1	62	77.50	93.18
English Literature.....	94	63	67.02	5	5	68	72.34	65.85
Modern History.....	80	41	51.25	2	1	42	52.50	65.00
Algebra.....	12	9	75.00	.....	.....	9	75.00	57.14
Geometry.....	30	14	46.67	1	.....	14	46.67	63.64
Trigonometry and Statics.....	13	7	53.85	.....	.....	7	53.85	25.00
Botany.....	32	26	81.25	.....	.....	26	81.25	60.00
Zoology.....	35	31	88.57	.....	.....	31	88.57	57.14
Physics.....	4	2	50.00	.....	.....	2	50.00	80.00
Chemistry.....	2	1	50.00	.....	.....	1	50.00	75.00
Latin Authors.....	1	1	100.00	.....	.....	1	100.00	80.00
Latin Composition.....	.....	.....	.....	.....	.....	.....	.....	66.67
French Authors.....	6	5	83.33	.....	.....	5	83.33	66.67
French Composition.....	5	4	80.00	.....	.....	4	80.00	.....
French Literature.....	8	8	100.00	.....	.....	8	100.00	100.00
Special French Composition.....	11	10	90.91	.....	.....	10	90.91	88.24
Totals.....	413	284	68.77	9	7	291	70.46	72.29

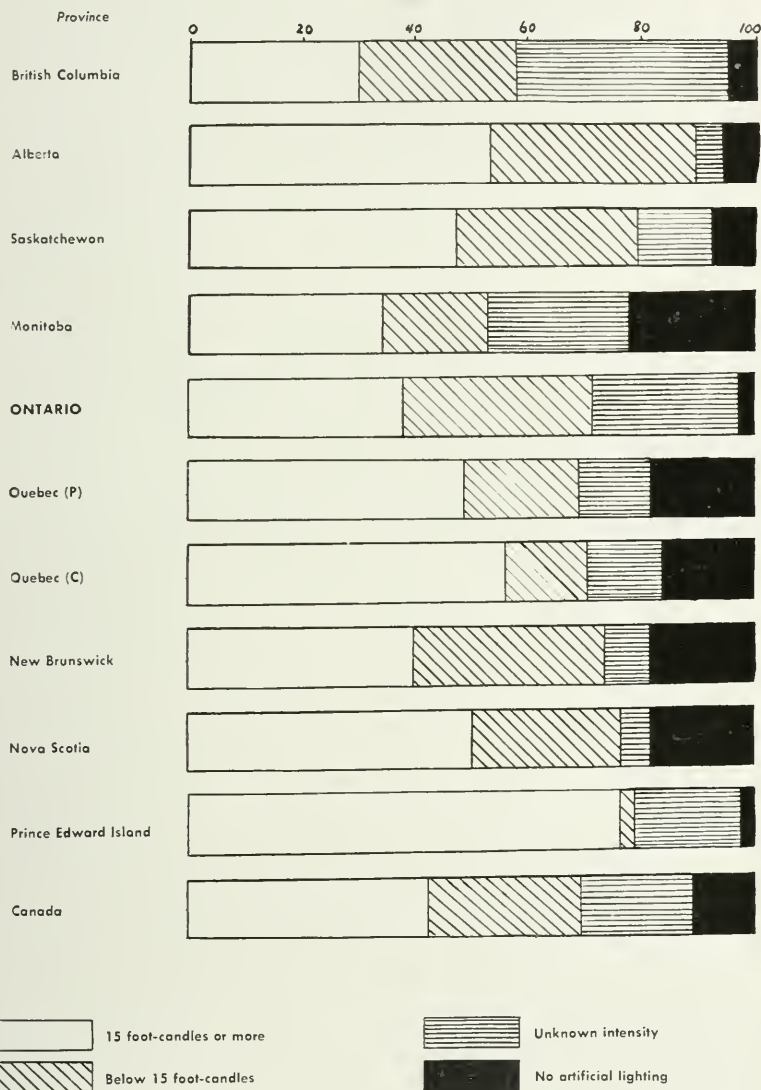
Total Number of Candidates.....258

Total Number of Centres.....10



## ARTIFICIAL LIGHTING IN SECONDARY SCHOOLS

PERCENT OF CLASSROOMS



Courtesy The National Committee for School Health Research







**TABLE 20—SALARY TRENDS IN SECONDARY SCHOOLS OF ONTARIO, 1946-47**  
 (As compiled by the Ontario Secondary School Teachers' Federation from the November Books of  
 Staffs of Secondary Schools, published annually by the Department of Education.)

Years Experi- ence	Number		Highest Salary		Lowest Salary		Average Salary		Average Salary	Increase of Salaries			
	M.	W.	M.	W.	M.	W.	M.	W.		46-7	45-7	44-7	43-7

## COLLEGIATE INSTITUTES

0.....	59	36	\$2500	\$2400	\$1800	\$1700	\$2009	\$1883	\$1962	.....	.....	.....	.....
1.....	19	27	2500	2100	1800	1800	2174	1955	2043	\$135	.....	.....	.....
2.....	8	27	2700	2300	1900	1800	2094	1973	2001	92	\$183	.....	.....
3.....	9	35	2500	2410	2000	1840	2190	2069	2094	124	236	\$262	.....
4.....	26	33	2900	2500	1800	1950	2271	2133	2194	142	279	387	\$449
5.....	33	31	2750	2600	1800	1870	2267	2217	2242	148	275	373	491
6.....	42	20	3200	2600	1800	1940	2396	2162	2320	167	297	403	513
7.....	40	17	3050	2500	1850	2000	2456	2271	2401	155	290	391	506
8.....	46	18	2900	2600	2000	2000	2476	2328	2434	137	328	406	522
9.....	45	15	3100	2756	2050	2100	2607	2395	2554	183	322	458	523
10.....	59	16	3100	2861	2200	2000	2649	2522	2622	143	351	453	574

## HIGH SCHOOLS

0.....	66	54	\$2400	\$2100	\$1750	\$1700	\$2025	\$1869	\$1955	.....	.....	.....	.....
1.....	19	39	2700	2100	1800	1750	2134	1962	2002	\$137	.....	.....	.....
2.....	15	39	2400	2200	1950	1800	2105	1982	2016	128	\$255	.....	.....
3.....	18	33	2550	2150	1800	1800	2183	1992	2059	143	323	\$405	.....
4.....	22	36	2500	2400	1800	1800	2138	2045	2080	164	273	407	\$550
5.....	25	31	2700	2900	1800	1800	2280	2074	2166	167	314	450	601
6.....	25	26	2800	2600	2000	1900	2268	2202	2234	154	324	481	617
7.....	33	17	3800	2500	1800	1800	2295	2200	2263	126	275	410	538
8.....	28	23	2947	2400	1800	1900	2373	2153	2274	153	325	421	543
9.....	25	22	3800	2775	1800	1800	2513	2125	2328	166	235	366	483
10.....	33	22	3100	2850	2000	1800	2508	2170	2373	136	304	469	556

## CONTINUATION SCHOOLS

0.....	29	11	\$2200	\$2000	\$1500	\$1500	\$1822	\$1736	\$1799	.....	.....	.....	.....
1.....	8	13	2000	2100	1700	1000	1863	1773	1807	\$38	.....	.....	.....
2.....	8	16	2450	2000	1600	1100	1988	1769	1842	97	\$226	.....	.....
3.....	4	15	2000	2100	1600	1400	1863	1767	1787	23	179	\$291	.....
4.....	4	8	2100	2100	1800	1800	1900	1938	1925	119	374	364	\$573
5.....	11	11	2400	2200	1700	1300	1977	1832	1903	164	351	471	638
6.....	7	4	2700	2100	1600	1700	2136	1875	2041	298	309	438	608
7.....	9	9	2600	2000	1800	1500	2056	1756	1906	57	106	285	509
8.....	6	9	2600	2100	1900	800	2250	1672	1903	95	349	453	654
9.....	7	9	2600	2000	1700	1500	2086	1850	1953	.....	235	307	503
10.....	7	9	2000	2000	1650	1000	1879	1739	1800	.....	190	282	374

## VOCATIONAL SCHOOLS

0.....	58	18	\$3400	\$2400	\$1800	\$1800	\$2101	\$1953	\$2066	.....	.....	.....	.....
1.....	41	24	3300	2500	1800	1800	2270	2038	2184	\$115	.....	.....	.....
2.....	28	10	3500	2300	1900	1800	2321	2013	2240	147	\$284	.....	.....
3.....	11	15	2640	2460	2000	2025	2286	2185	2228	162	309	\$414	.....
4.....	23	22	3600	2500	2000	2000	2532	2189	2364	93	278	398	\$423
5.....	28	17	2800	2600	1900	1900	2433	2246	2362	139	229	449	537
6.....	43	11	3200	2600	1630	2100	2456	2300	2424	110	283	415	501
7.....	39	11	3700	2600	2100	2300	2559	2423	2529	129	274	434	435
8.....	35	18	2900	2700	2100	2150	2655	2413	2573	126	334	476	577
9.....	35	12	4200	3300	2400	2525	2804	2729	2785	163	388	499	576
10.....	40	12	4350	2800	2300	2200	2751	2518	2697	102	264	404	528

**TABLE 21—RETIREMENTS FROM SECONDARY SCHOOLS\***  
(from School Opening, September, 1945 to School Opening, September, 1946)

Ages →		12	13	14	15	16	17	18	19 and Over	Totals	Grade Totals
Continuation Schools											
Grade IX.....	Boys	....	2	7	62	97	119	30	1	318	
	Girls	2	8	57	100	110	21	2	.....	300	618
Grade X.....	Boys	....	2	9	58	122	57	14	1	263	
	Girls	....	1	9	70	148	51	12	3	294	557
Grade XI.....	Boys	....	....	....	13	52	42	17	6	130	
	Girls	....	....	1	11	68	55	19	1	155	285
Grade XII.....	Boys	....	....	....	4	23	39	35	16	117	
	Girls	....	....	....	2	43	78	66	16	205	322
Grade XIII.....	Boys	....	....	....	....	1	14	36	23	74	
	Girls	....	....	....	....	2	20	21	22	65	139
Totals by Sex.....	Boys	....	4	16	137	295	271	132	47	902	
	Girls	2	9	67	183	371	225	120	42	1,019	
Grand Totals.....		2	13	83	320	666	496	252	89		1,921
Collegiate Institutes and High Schools											
Grade IX.....	Boys	7	44	199	578	771	230	26	5	1,860	
	Girls	4	55	218	688	732	154	24	4	1,879	3,739
Grade X.....	Boys	....	2	51	240	610	370	123	35	1,431	
	Girls	....	7	59	357	797	395	67	19	1,701	3,132
Grade XI.....	Boys	....	....	2	64	283	354	224	96	1,023	
	Girls	....	....	6	96	499	532	166	63	1,362	2,385
Grade XII.....	Boys	....	....	....	1	91	260	310	231	893	
	Girls	....	1	....	15	202	403	338	174	1,133	2,026
Grade XIII.....	Boys	....	....	....	....	25	204	485	784	1,498	
	Girls	....	....	....	9	59	256	495	424	1,243	2,741
Totals by Sex.....	Boys	7	46	252	883	1,780	1,418	1,168	1,151	6,705	
	Girls	4	63	283	1,165	2,289	1,740	1,090	684	7,318	
Grand Totals.....		11	109	535	2,048	4,069	3,158	2,258	1,835		14,023
Vocational Schools											
Preparatory and Grade IX.....	Boys	1	29	114	496	1,092	333	61	10	2,136	
	Girls	1	14	94	404	504	145	19	3	1,274	3,410
Grade X.....	Boys	....	3	41	225	724	414	150	49	1,606	
	Girls	1	5	25	245	672	311	78	17	1,354	2,960
Grade XI.....	Boys	....	....	....	45	237	332	216	101	931	
	Girls	....	....	3	75	508	368	146	50	1,150	2,081
Grade XII.....	Boys	....	....	....	10	115	369	446	311	1,251	
	Girls	....	....	3	19	286	570	372	112	1,362	2,613
Grade XIII.....	Boys	....	....	....	1	12	48	170	366	597	
	Girls	....	....	7	34	137	102	198	181	659	1,256
Totals by Sex.....	Boys	1	32	155	777	2,180	1,496	1,043	837	6,521	
	Girls	2	19	132	777	2,197	1,496	813	363	5,799	
Grand Totals.....		3	51	287	1,554	4,377	2,992	1,856	1,200		12,320
All Secondary Schools.....	Boys	8	82	423	1,797	4,255	3,185	2,343	2,035	14,128	
	Girls	8	91	482	2,125	4,857	3,461	2,023	1,089	14,136	
		16	173	905	3,922	9,112	6,646	4,366	3,124		28,264

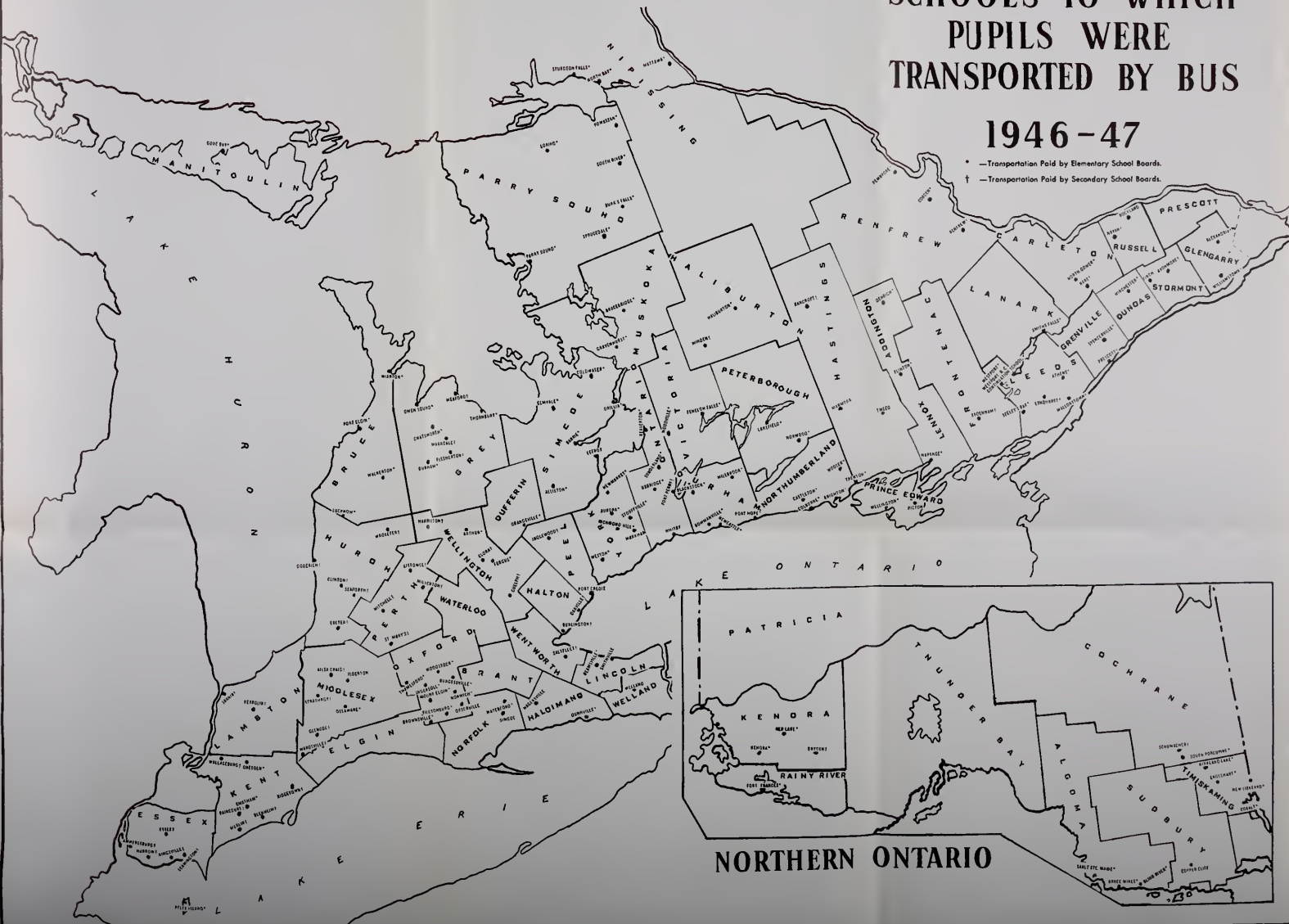
\*As reported by Principals.

# ONTARIO SECONDARY SCHOOLS TO WHICH PUPILS WERE TRANSPORTED BY BUS

## 1946-47

\* —Transportation Paid by Elementary School Boards.

† —Transportation Paid by Secondary School Boards.



187

TABLE 22—TRANSPORTATION TO SECONDARY SCHOOLS (School year 1946-47)

A survey has recently been completed of the transportation of pupils to Secondary schools in the school year 1946-47. Some of the findings which are of more general interest are given below.

	Counties	Districts	Totals
<b>By BUS OPERATORS:</b>			
No. of schools to which pupils transported	126	25	151
No. of routes.....	294	60	354
No. of pupils transported.....	7,219	1,177	8,396
Amounts received for transportation.....	\$509,299	\$69,573	\$578,872
Cost per pupil per month.....	7.05	5.91	6.89
Cost per pupil per mile.....	.0076	.0068	.0076
Average mileage for morning route.....	22	23	22
Average time for morning trip (minutes) ..	65	60	64
Average days missed due to road conditions	5	3	5
<b>By PUBLIC VEHICLES:</b>			
No. of pupils.....	2,317	507	2,824
Total cost to school board.....	\$36,867	\$17,271	\$54,137
<b>By PARENTS:</b>			
No. of pupils.....	3,499	111	3,610

#### AVERAGE OPERATING COST OF SCHOOL BUSES, 1946-47

(Only vehicles of 1940 Model or later, and those having a seating capacity of at least 20 pupils have been used in this calculation).

Average miles operated.....	11,880
Average miles per gallon.....	8
*Depreciation.....	\$613
Drivers' salary.....	757
Gas and oil.....	594
Tires and repairs.....	438
Insurance.....	180
License.....	55
Storage.....	97

\*The cost of buses has increased since 1940, so that this figure is low.

#### (B)—Classification of Chassis of Vehicles used—Make and Year

	Before '30	'30-'34	'35-'39	'40-'44	'45-'47	Total
General Motors.....	5	28	23	19	21	96
Chrysler.....	1	1	15	25	13	55
Ford.....	1	4	30	21	27	83
Mack.....	..	..	4	..	..	4
Reo.....	7	7	2	1	4	21
Studebaker.....	..	1	2	..	3	6
White.....	..	1	2	..	..	3
Others.....	2	9	21	13	20	65
Totals.....	16	51	99	79	88	333
					Unclassified	21
						354

#### (C)—Classification of Vehicles Used by Seating Capacity

Below 10.....	69	41-50.....	45
10-20.....	69	Over 50.....	12
21-30.....	80		
31-40.....	79	Total.....	354

(D)—A survey of buses used discloses, in addition:

- (a) 85% are steel construction; balance steel and wood.
- (b) 70% are used cars, while 30% are new.
- (c) Seats are fixed in 96% of the vehicles, while 4% have the seats loose.



TABLE 22—TRANSPORTATION TO SECONDARY SCHOOLS (School year 1946-47)

(A) COUNTIES	No. of Schools to which Pupils are transported	No. of routes	Amount received for Transportation	No. of Pupils transported	Cost per Pupil per month	Cost per Pupil per mile (cents)	Average mileage for morning route	Average time required for morning trip (minutes)	Average days missed due to road conditions	Average times late due to road conditions	(1) — By Bus Operators						(2) — By Public Vehicles		(3) — By Parents				
											Distance of morn- ing route (in miles)				No. of Pupils who leave home in morning		No. of Pupils who arrive home				No. of Pupils	Total Cost to School Board	
											Less than 10	10 to 19	20 to 29	30 and over	After 8:30	Between 8:30 and 9:00	Between 9:00 and 9:30	Before 9:30		Before 1:30			Between 1:30 and 3:00
Brant	none	5	\$8,814	89	\$9.90	.97	25	63	10	3	47	38	6	16	64	16	4	22	62	5	n.r.	4	
Bruce	4	5	2,187	16	13.67	2.01	17	120	2	3	16	2	2	9	9	4	5	9	2	7	n.r.	157	
Carleton	2	2	3,500	32	10.91	1.52	18	68	14	2	21	11	2	29	29	3	3	18	11	none	\$1,405	n.r.	
Dufferin	1	2	1,583	33	1.80	.48	25	75	3	3	18	21	75	25	14	3	8	31	8	none	65	65	
Dundas	1	1	1,583	33	1.80	.48	25	75	3	3	18	21	75	25	14	3	8	31	8	none	63	63	
Durham	5	7	8,613	116	7.43	.70	27	52	6	5	86	37	18	103	18	3	22	74	28	35	n.r.	116	
Essex	none	7	8,613	116	7.43	.70	27	52	6	5	86	37	18	103	18	3	22	74	28	35	n.r.	116	
Elgin	6	14	35,641	738	4.83	.40	30	63	2	4	353	309	69	7	180	311	190	59	307	240	116	35	100
Frontenac	none	6	14	35,641	738	4.83	.40	30	63	2	4	353	309	69	7	180	311	190	59	307	240	116	35
Glenora	2	9	16,825	181	9.14	.84	27	69	2	3	92	89	15	28	114	53	1	12	100	72	12	106	32
Grenville	2	3	1,541	27	5.70	.91	16	75	8	1	25	3	3	8	17	3	3	8	17	3	3	106	77
Grey	7	20	26,142	403	6.19	.65	25	77	15	4	238	163	5	87	212	104	15	157	174	85	10	44	87
Haldimand	3	6	11,564	127	9.10	1.06	22	56	3	3	59	49	23	29	73	31	10	73	20	44	3,984	15	
Haliburton	2	3	4,600	156	2.95	.21	35	140	3	6	55	19	6	20	31	23	6	35	42	3	none	56	none
Hatton	2	3	7,550	90	8.39	.58	36	125	3	3	21	62	4	2	58	20	10	12	59	15	4	98	345
Hastings	4	5	3,779	67	5.64	.98	14	46	2	1	32	35	1	17	41	9	17	35	8	98	n.r.	389	
Huron	5	21	51,251	559	9.17	.84	27	66	9	2	230	383	102	2	190	271	113	2	140	321	113	none	12
Kent	7	19	39,025	574	6.80	.56	31	91	4	4	198	218	146	17	154	251	160	13	65	319	151	43	61
Lambton	2	20	33,649	386	8.72	.89	25	56	4	2	174	167	55	7	25	196	140	44	215	132	38	12	90
Lanark	1	3	7,418	102	7.27	.91	20	58	3	3	42	57	3	22	46	31	22	28	52	36	n.r.	266	
Leeds	6	15	12,829	274	4.68	.81	14	54	3	1	189	69	12	12	99	122	57	131	115	33	none	58	
Lennox and Addington	3	6	8,213	104	7.92	1.12	18	61	2	1	69	31	10	28	31	20	2	46	34	1	none	27	
Lincoln	2	6	20,036	169	11.85	1.32	23	53	1	1	107	36	32	4	65	79	25	17	125	30	35	50	
Middlesex	5	9	11,010	191	7.31	.83	22	73	5	1	101	13	19	57	102	11	36	72	40	none	73		
Norfolk	2	5	16,591	224	7.41	.63	30	65	1	1	64	125	35	25	65	113	21	22	45	92	67	226	134
Northumberland	3	6	2,638	30	8.79	.05	7	27	7	4	31	3	3	3	23	5	18	13	13	15	n.r.	52	
Ontario	9	11	4,445	104	4.27	.83	13	47	10	2	57	83	2	4	83	54	35	53	48	4	958	98	
Oxford	5	6	15,398	166	9.28	1.11	21	65	2	5	118	89	2	43	75	71	63	119	31	71	98	51	
Peel	2	2	1,423	52	2.74	.98	7	45	17	3	52	1	1	31	20	1	20	31	1	160	n.r.	23	
Perth	4	16	46,428	461	10.07	.83	30	70	8	3	206	228	103	6	121	266	155	1	110	280	129	32	32
Peterborough	2	1	4,410	73	6.01	.74	20	63	2	2	46	17	10	2	28	37	6	35	36	8	n.r.	61	



## THE CONTINUATION SCHOOLS

TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

CONTINUATION SCHOOLS	Grade	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS				
		Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non-Resident Pupils	
<i>In Counties</i>																
Acton.....	A	102	45	57	90	94	38	26	24	14	.....	67	.....	35	.....	
Agincourt.....	A	100	34	66	92	95	27	31	17	18	7	41	.....	59	.....	
Ailsa Craig.....	B	29	6	23	26	94	12	11	2	4	.....	10	.....	19	.....	
Allenford.....	B	34	11	23	30	94	8	8	12	6	.....	8	.....	26	.....	
Alton.....	B	22	12	10	19	94	7	8	6	1	.....	11	.....	10	1	
Alvinston.....	A	55	22	33	53	92	18	11	14	10	2	25	.....	30	.....	
Arkona.....	C	5	2	3	4	92	2	3	.....	.....	.....	3	.....	2	.....	
Aultsville.....	B	37	20	17	33	94	12	15	3	7	.....	21	.....	16	.....	
Ayr.....	B	50	16	34	44	93	20	14	8	8	.....	34	.....	16	.....	
Bath.....	B	36	16	20	31	94	11	14	5	6	.....	13	.....	23	.....	
Beachburg.....	B	34	13	21	30	93	11	9	10	4	.....	23	.....	11	.....	
Beaverton.....	A	76	26	50	68	91	30	22	11	6	7	41	.....	32	.....	
Becton.....	H	55	16	39	52	97	30	11	9	5	.....	37	.....	18	.....	
Belmont.....	B	25	8	17	23	89	5	6	10	4	.....	8	.....	17	.....	
Blackstock.....	A	58	21	37	57	97	19	15	11	5	8	18	.....	40	.....	
Blyth.....	B	41	16	25	36	93	11	17	9	4	.....	22	.....	19	.....	
Bobcaygeon.....	A	70	32	38	59	91	26	15	11	11	7	50	.....	20	.....	
Bolton.....	B	45	12	33	41	94	15	15	7	8	.....	23	.....	22	.....	
Bothwell.....	A	53	22	31	43	94	19	12	8	5	9	22	.....	31	.....	
Brooklin.....	B	33	15	18	29	96	16	10	7	.....	.....	20	.....	13	.....	
Brownsville.....	B	26	4	22	24	95	11	7	5	3	.....	17	.....	9	.....	
Brussels.....	A	85	25	60	74	94	24	24	17	12	8	31	.....	54	.....	
Burgessville.....	B	21	8	13	18	95	7	5	3	6	.....	13	.....	8	.....	
Caledon East.....	B	27	12	15	25	95	9	4	12	2	.....	14	.....	13	.....	
Cannington.....	B	54	19	35	49	95	22	10	14	8	.....	21	.....	30	.....	
Cardinal.....	A	80	41	39	65	92	40	14	6	8	12	72	.....	6	2	
Carp.....	B	50	18	32	43	96	18	17	6	2	7	24	.....	26	.....	
Castleton.....	B	45	23	22	36	90	21	9	10	5	.....	12	.....	33	.....	
Chatsworth.....	B	60	20	40	51	91	19	16	15	10	.....	18	.....	42	.....	
Claremont.....	B	35	15	20	32	96	8	17	6	4	.....	23	.....	12	.....	
Clifford.....	B	41	17	27	41	97	19	8	10	7	.....	16	.....	28	.....	
Cobden.....	A	71	29	42	64	96	17	17	12	15	10	26	.....	45	.....	

TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

CONTINUATION SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS				
	Grade	Total	Male	Female	Average Daily Attend- ance for the School Year	Attend- ance Efficiency Percent- age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non- Resident Pupils
<i>In Counties</i>															
Coldwater.....	B	39	16	23	30	93	23	6	6	4	.....	17	.....	22	.....
Comber.....	A	65	25	40	57	95	20	10	13	12	10	13	.....	52	.....
Consecon.....	B	23	9	14	20	94	11	6	2	4	.....	8	.....	15	.....
Cooktown.....	B	26	9	17	.....	.....	8	6	7	5	.....	15	.....	11	.....
Cooksville.....	B	63	30	33	51	93	37	11	11	4	.....	48	.....	15	.....
Creemore.....	A	74	27	47	68	96	28	19	10	11	6	26	.....	48	.....
Cumberland.....	B	15	3	12	13	93	8	3	3	1	.....	9	.....	6	.....
Delaware.....	A	38	12	26	32	89	19	8	3	6	2	11	.....	27	.....
Denbigh.....	C	13	6	7	7	83	9	4	.....	.....	.....	6	.....	7	.....
Dorchester.....	B	38	15	23	33	97	19	13	4	2	.....	19	.....	19	.....
Dresden.....	A	123	43	80	110	95	49	44	14	8	8	48	.....	75	.....
Drumbo.....	B	23	6	17	22	94	8	9	6	.....	.....	8	.....	15	.....
Dublin.....	A	42	14	28	38	92	11	10	13	6	2	17	.....	25	.....
Egansville.....	B	36	9	27	30	91	14	12	6	4	.....	24	.....	12	.....
Egansville (R.C.).....	A	72	33	39	65	96	21	16	16	7	12	53	.....	19	.....
Elgin.....	B	31	14	17	30	95	10	11	7	3	.....	10	.....	21	.....
Embro.....	A	38	13	25	33	94	9	15	8	3	3	11	.....	27	.....
Ennismore.....	B	33	11	22	27	91	13	10	5	5	.....	8	.....	25	.....
Erin.....	B	72	30	42	66	93	28	20	12	12	.....	28	.....	44	.....
Fencelon Falls.....	A	94	39	55	84	93	37	26	9	11	11	51	.....	43	.....
Fitzroy Harbour.....	B	33	15	18	29	95	5	14	7	7	.....	18	.....	14	1
Flintton.....	B	27	10	17	21	92	10	7	5	5	.....	10	7	10	.....
Florence.....	B	58	23	35	49	92	18	19	8	5	8	7	.....	51	.....
Fordwich.....	B	36	12	24	33	96	14	16	2	4	.....	6	.....	30	.....
Forester's Falls.....	B	18	4	14	16	88	11	1	2	4	.....	11	.....	4	.....
Forest Hill Village.....	A	569	288	281	538	92	157	142	120	81	66	558	.....	.....	11
Frankford.....	B	74	29	45	59	89	33	25	11	5	.....	33	.....	41	.....
Grand Valley.....	A	60	27	33	50	94	23	12	12	9	4	27	.....	33	.....
Halibarton.....	B	57	24	33	45	92	29	10	10	8	.....	55	.....	2	.....
Halville.....	A	62	25	37	52	92	19	15	13	5	10	29	.....	33	.....
Hensall.....	B	28	10	18	27	96	10	13	.....	.....	.....	15	.....	13	.....
Hepworth.....	B	34	14	20	29	93	18	6	6	4	.....	11	.....	23	.....
Hightgate.....	B	19	7	12	16	95	9	5	2	3	.....	10	.....	9	.....

TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

CONTINUATION SCHOOLS	Grade	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS				
		Total	Male	Female	Average Daily Attendance for the School Year	Attend- ance Efficiency Percent- age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non- Resident Pupils	
<i>In Counties</i>																
	B	19	8	11	11	87	4	9	2	4	.....	10	.....	9	.....	
Holstein .....	B	33	10	23	28	88	13	10	5	5	.....	8	.....	25	.....	
Honeywood .....	B	28	11	17	26	92	13	1	1	7	.....	8	.....	20	.....	
Hiderton .....	B	29	9	20	19	87	6	10	9	4	.....	15	.....	14	.....	
Inglewood .....	B	49	32	17	12	90	18	19	12	.....	.....	33	.....	16	.....	
Jarvis .....	B	32	13	19	27	87	9	11	4	5	.....	13	.....	19	.....	
Kars .....	B	29	15	14	25	91	9	13	5	2	.....	12	.....	17	.....	
Kenmore .....	B	32	14	18	29	95	12	7	8	5	.....	10	.....	22	.....	
Kimburn .....	B	27	9	18	24	91	3	13	5	6	.....	19	.....	8	.....	
Kinmount .....	B	19	15	31	48	99	18	11	13	7	.....	11	3	2	.....	
Lafontaine .....	B	45	24	21	41	95	8	17	11	9	.....	25	.....	20	.....	
Lambeth .....	B	51	22	32	46	91	21	17	10	6	.....	30	.....	24	.....	
Lanark .....	B	55	14	41	41	73	23	16	14	2	.....	20	.....	35	.....	
Lansdowne .....	B	45	20	25	35	85	18	14	9	4	.....	13	.....	32	.....	
Lefroy .....	B	37	14	23	30	92	19	13	4	1	.....	10	.....	27	.....	
Lion's Head .....	B	27	13	14	26	91	12	7	6	2	.....	15	.....	12	.....	
Little Britain .....	B	40	18	22	35	87	13	1	11	9	.....	5	.....	35	.....	
Lobo .....	B	202	129	133	210	91	105	85	40	17	15	213	.....	49	.....	
Long Branch .....	B	50	22	28	13	93	27	8	6	9	.....	22	.....	28	.....	
Lynden .....	A	60	19	41	53	89	22	11	9	8	7	15	.....	15	.....	
Lyndhurst .....	A	10	1	9	8	92	1	4	4	1	.....	4	.....	6	.....	
Malakoff .....	B	41	20	21	38	92	17	13	10	4	.....	19	.....	25	.....	
Mallorytown .....	A	57	16	41	50	91	15	11	13	5	10	12	.....	45	.....	
Manotick .....	A	18	6	12	15	90	11	5	1	1	.....	9	.....	9	.....	
Melbourne .....	B	45	11	31	11	93	12	15	12	6	.....	33	.....	12	.....	
Merrickville .....	B	46	18	28	38	92	17	8	17	4	.....	21	.....	25	.....	
Metcalfe .....	B	63	29	31	57	95	30	11	10	5	7	31	.....	32	.....	
Millbrook .....	A	79	28	51	65	95	30	17	12	9	11	40	.....	39	.....	
Milverton .....	A	13	20	23	32	92	12	15	6	10	.....	18	.....	25	.....	
Minden .....	B	27	11	16	23	81	6	15	1	2	.....	11	.....	16	.....	
Minesing .....	B	32	17	15	27	91	15	1	9	4	.....	10	.....	22	.....	
Mount Albert .....	B	55	31	24	42	89	15	16	13	11	.....	22	.....	33	.....	
Mount Brydges .....	B	55	17	38	17	93	15	20	10	10	.....	33	.....	22	.....	
Mount Elgin .....	B	31	11	23	31	91	12	12	6	1	.....	20	.....	11	.....	
Mount Pleasant .....	B															



TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1915-46

CONTINUATION SCHOOLS	Grade	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS				
		Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non-Resident Pupils	
<i>In Counties</i>																
Navan.....	B	40	18	22	31	93	17	8	5	10	.....	20	.....	20	.....	
New Dundee.....	B	33	13	20	29	90	15	10	2	6	.....	10	.....	23	.....	
New Hamburg.....	A	68	25	13	61	92	22	15	7	11	13	18	4	16	.....	
North Augusta.....	B	22	7	15	15	87	7	8	5	2	.....	8	.....	14	.....	
North Gower.....	B	31	7	24	28	94	7	10	10	1	.....	16	.....	15	.....	
Odessa.....	B	53	23	30	16	93	22	13	9	9	.....	32	.....	21	.....	
Oil Springs.....	B	29	9	20	25	93	9	10	6	4	.....	9	.....	20	.....	
Orono.....	A	61	33	28	53	93	23	13	7	8	10	23	.....	38	.....	
Otterville.....	B	52	19	33	41	95	29	11	3	6	.....	21	.....	31	.....	
Paincourt.....	B	45	11	31	11	94	25	12	5	3	.....	5	.....	10	.....	
Paisley.....	A	70	22	48	61	96	28	20	6	12	1	29	.....	11	.....	
Pakenham.....	B	46	25	21	42	91	13	12	12	9	.....	29	.....	17	.....	
Pelée Island.....	B	16	3	13	14	90	7	1	6	2	.....	13	.....	3	.....	
Pelham.....	A	164	68	96	115	89	65	37	22	20	20	30	.....	134	.....	
Pieking.....	B	42	23	19	35	92	19	7	10	6	.....	18	.....	24	.....	
Plattsville.....	A	44	24	20	12	95	16	13	3	8	4	13	.....	31	.....	
Port Burwell.....	B	28	12	16	25	93	10	8	4	6	.....	16	.....	12	.....	
Port McNicoll.....	A	33	15	18	28	94	9	11	6	4	1	29	.....	4	.....	
Princeton.....	B	31	9	22	30	98	11	7	5	8	.....	19	5	7	.....	
Richmond.....	A	65	31	34	56	94	25	17	9	8	6	28	.....	37	.....	
Ripley.....	A	60	28	32	55	97	21	15	12	9	3	21	.....	39	.....	
Riverside.....	A	174	76	98	162	94	62	52	31	23	6	172	.....	2	.....	
Rockwood.....	B	36	15	21	28	91	16	11	2	7	.....	20	.....	16	.....	
Rodney.....	A	54	26	28	47	93	19	17	13	2	3	27	.....	27	.....	
Russell.....	A	55	26	29	41	92	16	11	8	10	10	24	3	28	.....	
St. George.....	A	46	15	31	43	95	15	13	7	1	7	38	.....	8	.....	
Schomberg.....	B	42	24	18	34	91	18	10	5	9	.....	17	.....	25	.....	
Scotland.....	B	21	6	18	20	92	13	5	1	2	.....	20	.....	4	.....	
Seely's Bay.....	B	59	29	30	50	88	23	17	11	8	.....	20	.....	39	.....	
Selkirk.....	B	57	25	32	47	88	24	13	10	10	.....	22	.....	35	.....	
Severn Bridge.....	B	22	8	14	19	92	6	9	6	1	.....	.....	.....	.....	.....	
Singhampton.....	B	24	8	16	18	87	10	8	2	1	.....	8	.....	16	.....	
Southampton.....	A	71	39	32	61	91	24	18	13	7	9	63	.....	8	.....	
South Mountain.....	A	60	26	34	55	95	26	13	7	7	7	30	.....	30	.....	

TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

CONTINUATION SCHOOLS	Grade	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES						NET ENROLMENT BY AREAS			
		Total	Male	Female	Average Daily Attendance for the School Year	Attend- ance Efficiency Percent- age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non- Resident Pupils	
<i>In Counties</i>																
Sparta.....	B	23	10	13	20	94	12	6	2	3	.....	11	.....	12	.....	
Spencerville.....	A	61	30	31	48	93	16	16	9	12	8	23	.....	38	.....	
Springfield.....	B	31	14	17	29	94	10	12	7	2	.....	25	.....	6	.....	
Stayner.....	A	74	27	47	64	93	27	15	12	9	11	41	.....	33	.....	
Stella.....	B	20	9	11	17	89	6	4	8	2	.....	20	.....	.....	.....	
Stevensville.....	A	41	24	20	37	97	15	11	6	3	3	30	.....	41	.....	
Sniderland.....	B	45	20	25	38	95	18	16	8	3	.....	27	.....	18	.....	
Sutton.....	A	105	45	60	96	91	20	32	27	16	10	62	.....	43	.....	
Tanworth.....	A	64	25	39	54	91	26	16	10	7	5	38	.....	26	.....	
Tara.....	B	56	19	37	50	90	18	13	14	11	.....	26	.....	30	.....	
Tavistock.....	B	47	20	27	42	95	17	11	8	8	.....	32	.....	15	.....	
Treewater.....	A	65	27	38	57	91	27	17	1	10	7	27	.....	38	.....	
Thamesford.....	B	48	25	23	45	95	15	17	11	5	.....	17	.....	31	.....	
Thamesville.....	A	75	33	42	69	96	34	24	6	4	7	37	.....	38	.....	
Thedford.....	B	32	8	24	24	88	11	11	1	3	.....	16	.....	16	.....	
Thorndale.....	B	31	9	22	27	96	16	7	5	3	.....	15	.....	16	.....	
Thornton.....	B	27	12	15	22	89	14	8	3	2	.....	9	.....	18	.....	
Tiverton.....	B	29	7	22	25	94	15	1	3	10	.....	4	.....	25	.....	
Tottenham.....	B	58	24	34	18	87	24	15	1	15	.....	28	.....	30	.....	
Wales.....	B	47	22	25	41	94	24	10	9	7	.....	14	.....	33	.....	
Warkworth.....	A	14	20	21	41	94	19	11	6	4	1	17	.....	24	3	
Wellesley.....	B	13	6	7	11	94	7	6	.....	.....	.....	10	.....	3	.....	
Wellington.....	A	93	30	63	83	92	21	26	24	11	11	69	.....	24	.....	
West Lorne.....	B	48	21	27	45	93	20	11	10	7	.....	26	.....	22	.....	
Westmeath.....	B	19	6	13	15	90	12	3	2	2	.....	9	.....	10	.....	
Westport.....	B	34	15	19	30	95	14	9	2	9	.....	12	.....	22	.....	
Westport (R.C.).....	A	51	21	30	49	86	13	14	9	7	8	30	3	18	.....	
Wheatley.....	A	83	28	55	67	91	30	20	11	12	10	38	.....	45	.....	
Wolfe Island.....	C	16	7	9	13	84	11	5	.....	.....	.....	16	.....	.....	.....	
Woodville.....	B	40	20	20	31	91	13	16	7	4	.....	18	.....	22	.....	
Wooler.....	B	21	10	11	17	86	8	3	5	5	.....	12	.....	9	.....	
Wroxeter.....	B	34	16	24	30	93	13	9	6	6	.....	7	.....	27	.....	
Wyoming.....	B	10	13	27	34	91	11	12	10	4	.....	20	.....	20	.....	
Total.....		8,473	3,480	4,993	7,374	92	3,103	2,313	1,495	1,107	455	4,520	25	3,910	18	

TABLE 23—ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

CONTINUATION SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES						NET ENROLMENT BY AREAS				
	Grade	Total		Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	Pupils from other Secondary School Districts	County and District Pupils	Non-Resident Pupils		
		Male	Female													
<i>In Districts</i>  Blind River. Bruce Mines. Burk's Falls. Coniston. Connell. Eino. Espanola. Fraserdale. Hornepayne. Little Current. Loring. MacTier. Manitowaning. Massey. Matthewan. Mindemoya. Nipigon. Port Carling. Powassan. Red Lake. Schreiber. Sioux Lookout. Smooth Rock Falls. South River. Sprucedale. Sundridge. White River.	A	60	23	37	54	91	19	19	8	10	4	12		18		
	B	48	21	27	39	92	23	9	9	7		18		30		
	A	145	62	83	123	92	46	26	30	24	19	54			91	
	A	64	31	33	59	96	22	19	10	13		61				
	C	11	6	5	10	91	7	7	1	3				11		
	B	46	15	31	40	91	19	10	11	6		36			10	
	A	71	32	39	56	95	27	24	11	9		63				
	C	9	3	6	7	91	4		4		1	5		4		
	A	15	27	18	39	93	15	11	12	6	1	45			6	
	B	45	13	32	38	92	21	16	5	3		33				
	C	17	3	14	15	90		11	5	1	1	10		7		
	B	25	11	14	22	95	13	2	3	7		19		6		
	B	26	6	20	23	96	10	7	6	3		12		14		
	B	31	11	20	27	93	15	7	4	5		8		23		
	B	24	13	11	22	95	13	5	6			24		11		
	B	33	11	22	30	96	9	13	10	1		19				
	B	24	11	13	21	92	11	6	5	2		23		1		
	B	41	19	25	37	89	16	17	9	2		19		25		
	A	101	45	56	92	96	35	29	23	11		46		55		
	B	23	10	13	18	94	9	11	2	1		13		10		
	A	54	27	27	47	96	21	14	5	6	8	54			1	
	A	91	40	54	84	91	37	27	18	12		90				
	A	59	25	34	52	96	19	19	12	9		39		20		
	B	39	16	23	35	93	7	16	8	8		32		7		
	B	12	3	9	10	90	3	5	4			8		4		
	B	28	11	17	25	93	7	6	9	6		18			10	
C	17	5	12	12	89		8	6	2	1	17					
Total		1,195	500	1,037	91	436	336	231	156	33	811		263	121		
GRAND TOTALS		9,868	3,980	8,111	91	3,539	2,649	1,729	1,263	488	5,331	25	1,173	139		

TABLE 24—AGE-GRADE DISTRIBUTION, SCHOOL YEAR 1945-46

	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
GRADE IX	Boys	19	168	543	504	224	11	3		1	1,503	3,539
	Girls	34	306	769	675	211	35	6			2,036	
GRADE X	Boys		16	117	432	374	112	18	4	1	1,101	2,619
	Girls		18	212	667	472	126	20			1,515	
GRADE XI	Boys			7	130	308	182	14	3	2	687	1,729
	Girls			27	225	488	234	63	1		1,012	
GRADE XII	Boys				12	111	206	109	3	3	472	1,263
	Girls				25	229	341	155	6	3	791	
GRADE XIII	Boys				2	15	15	93	9	11	211	488
	Girls					13	78	122	8	1	274	
TOTALS BY SEXES	Boys	19	181	697	1,080	1,032	586	267	15	21	3,980	
	Girls	31	321	1,038	1,592	1,413	841	366	15	4	5,688	
GRAND TOTALS		53	508	1,735	2,672	2,445	1,400	633	30	25		9,668





TABLE 25—FINANCIAL STATISTICS, 1946 (as reported by School Boards) (Operating Fund)

Schools	Average Daily Attendance	Revenue Receipts			Disbursements					Comparable Cost per Pupil-day (cents) for				Unmatured Debt—Principal	
		From Province	From Counties	From Local Levy (%)	From Other Sources	Current Operations	Capital Charges	Outlays from Current Funds	Fees to Other Boards	Transportation	Current Operations	Capital Charges	Outlays from Current Funds		Total
(a) Drumbo	42	4,777	2,580	984	17	5,105	%	%	%	%	66.0		5	66.5	
Dublin	34	2,861	596	2,922	35	516		38	32		65.1	7.6	2.5	75.2	2,932
(c) Eganville	65	10,209	855	1,116	537	8,607		5,467			68.0	5.9	43.2	117.1	
Eganville R.C.	35	3,969	1,255		75	6,439		730			94.7			94.7	
Elgin	33	4,257	1,715	1,718	10	8,272		1,013			127.6	16.0	11.2	154.8	4,515
Embo	37	2,411		1,500		5,201					71.7			71.7	
Ennismore	30	2,817	672	478		4,179					70.1			70.1	
Essex	67	5,212	411	225	1,031	6,270		89			54.4	6		60.4	
Espanola	66	3,659		3,801		6,696		3,471			61.4	19.4		80.8	
Essex Falls	81	8,912	2,218	1,071	138	10,500			324	194	96.5	10.6	3.3	110.4	13,444
(c) Filzroy Harbour	10	2,450	671	786	690	4,712		162			106.8			106.8	
Flinton	25	6,201	3,276	1,186	107	9,555		951			85.9	3.2	7	89.8	13,387
Forefords	46	2,901		3,389		4,793		181			93.8			93.8	
Forefords Falls	28	1,347	215	1,186		2,868		39	515		43.3	10.0		53.3	
Forest Hill	16	3,010	392	2,132	685	104,013		17,496	137	65	71.1			71.1	
Frankfort	58	9,198	728	1,602	19	6,808		1,432			54.0			54.0	
Grand Valley	50	5,128		2,677		4,816					132.0		11.2	143.2	1,604
Haliburton	16	4,208	2,607	802	409	10,230		802	186	3,272	88.0	11.1		99.1	
Halton	50	3,435	1,001			4,566			41		172.8			172.8	
Hepworth	28	3,835	1,588	1,317	223	3,915		585			123.8	18.1		141.9	5,269
Higate	13	2,082	1,221	642		3,980		642			89.5	11.5		101.0	
Holstein	16	2,910	1,393	6,654	513	8,168		1,583	175		114.4	22.2	6.6	143.2	9,328
Honeywood	38	4,110	656			4,666					101.8			101.8	
Hornepayne	24	2,316		932	2,033	5,261		932			134.9	23.9		158.8	932
Ington	20	1,452		1,184		4,908		809	190	126	65.7	10.8		76.5	6,729
Ingwood	38	4,721	1,133		43	7,305			381		98.1			98.1	
I Jarvis	19	1,001	675	1,290		4,110					85.5			85.5	
Kars	26	3,307	1,327	1,000		2,887		455	106		82.7	13.0		95.7	
Kenmore	30	788	1,381	1,002		3,173					79.3			79.3	
(c) Killbuck	20	2,803	230	1,002	1,932	5,302		167			51.0		1.6	52.6	20,000
Kilmount	53	3,181		2,352		6,257			155		70.8			70.8	
Lafontaine	15	1,676	708		37	6,257					56.1			56.1	
Lambeth	47	3,184	185		61	5,106					61.7			61.7	
Lansdowne	13	4,321	452	1,167	3	4,919					65.9	10.6		76.5	3,133
Lefroy	37	4,887	540	769	25	4,778		769	79		39.0	9.9	4.1	49.0	3,462
Lion's Head	35	3,513	837	363	438	1,078		682			103.2	34.0		137.2	3,611
Little Britain	27	3,307	1,120	1,178	179	5,473		1,805	81		73.2			73.2	
Little Current	37	4,058		2,000	10	5,117					79.6			79.6	
(a) Lobo	33	4,082	3,595	693	125	5,120			732		71.2	9.3		80.5	
Long Branch	211	27,559	1,603	5,248		31,036		4,472			72.7		5.5	78.2	
Loring	12	72		2,806		2,360		502							

**TABLE 25—FINANCIAL STATISTICS, 1946 (as reported by School Boards) (Operating Fund)**

Schools	Average Daily Attendance	Revenue Receipts			Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debenture Principal	
		From Province	From Counties	From Local Levy (\$)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation	Total			
											Current Operations	Capital Charges		Capital Outlays from Current Funds
Lynden	11	\$ 3,081	\$ 2,573	\$ 2,203	\$ 3,075	\$ 5,148	\$ 963	\$ 513	\$ 61.1	11.9		76.0	\$ 5,474	
Lyndhurst	53	6,719	2,415	1,997	91	10,623	736		101.7	7.0		108.7	6,446	
MacTier	22	2,415	3,670	3,670	152	4,871		234	109.9		3.2	109.9		
Mallorytown	39	4,410	1,657		99	2,909			76.6		1.7	78.3		
Manulawing	24	3,310		1,100	654	7,718	181		62.6	2.0		64.6		
Nanotick	48	6,122	2,910			4,472		116	82.3			84.3	8,631	
Nassey	32	3,825		987	21	4,519			70.8			70.8		
Nassey	23	1,304		3,064	83	5,815			101.0			101.0		
(A) Melboume	12	1,985	3,059	1,101		4,519			251.7		1.1	251.7		
Merrickville	14	1,669	104	2,000		4,425	344	675	61.3			61.3		
Metcalf	37	3,613	327	1,298	1	4,425			79.3		19.3	98.6		
Millbrook	55	5,919	1,401	1,781	139	8,184	2,236		84.3	15.5		99.8	4,129	
Millerton	74	7,878	3,984	4,494	98	12,153	640	61	84.1	10.3		94.4	2,836	
Mindemoyan	32	1,009		1,610	250	5,235	559	62	71.4	8.6		83.0	4,061	
Minden	33	1,099	39	1,846		4,821		84	75.1			75.1		
Minesing	27	2,473	290	548	902	3,563	1,864		122.0	35.8		157.8	12,957	
Mount Albert	27	3,756	1,299	1,695	23	6,353			71.0			71.0		
Mount Brydges	51	1,087		3,093	702	5,093	1,418	229	56.5	11.2		67.7	1,060	
Mount Elgin	39	3,699	2,639	2,979	120	5,622	1,828	175	91.6	31.5	15.2	111.3	3,386	
Mount Pleasant	29	3,616	2,860	1,934		5,496		60	72.7			72.7		
Nassey	31	3,287	2,867	1,093		5,021	1,093		105.7	21.1		126.8		
New Dundee	24	5,296	1,639	4,115	3,280	12,723			101.7			101.7		
New Hamburg	62	2,097		4,115	102	4,973	58		113.3		1.3	114.6		
Nipigon	23	3,103	632	516		4,973		80	116.7			116.7		
North Augusta	12	3,307			1,590	5,175		271	77.1			77.1		
North Gower	27	3,097	406		208	5,173			62.9			62.9		
Oroona	17	3,935	866	1,234	81	6,092	358	112	85.3	3.4	3.1	91.8	2,763	
Ottawa	55	5,614	965	1,418		5,111	1,118		88.3	13.0		101.3	1,088	
Paincourt	45	4,013	403	6,201	561	6,839			70.3			70.3		
Paisley	31	7,350	2,163	3,207	1	2,685		3,299	77.5			77.5		
Pakenham	35	1,333	651			3,600		449	78.1			78.1		
Pelée Island	120	2,097		2,800	18	3,616			136.8			136.8		
Pelham	130	12,892	1,530	6,001	1,066	27,957	8,878		30.1			30.1		
Pekering	30	1,288	1,231	2,085		4,950	378	366	83.3	6.3		89.6		
Plattsville	16	2,581	2,239	600	212	6,955			77.2			77.2		
Port Burwell	28	2,194		1,805	1,000	4,579	1,305		85.0	21.3		106.3	3,520	
Port Carling	14	4,740		4,339	8	5,379			63.0		3	63.0		
Port McNicoll	29	3,002		3,025	381	5,150			90.7	4.6		95.3	2,103	
Powassan	96	11,009		3,523		7,360	261		39.2		5.6	44.8		
Powassan	30	3,259	248	1,500	653	5,140			86.3		9.1	95.4		
Red Lake	20			3,583	3,207	5,647			112.3			112.3		
Red Lake	20			3,583	3,207	5,647	1,881		78.0	18.1		96.1	11,936	
Ridley	53	5,758	1,762	1,881	1,000	8,085			81.1		2.9	84.0		
Ridley	51	6,370	2,187	1,116		7,870	277	2,651	76.2	13.3	3.6	93.1		
Riverside	161	27,835	5,373	5,373	1,197	22,937	4,000	1,978	51.3	28.0		82.3	5,126	
Rockwood	28	736	895	1,548	28	3,006	1,548		119.6			119.6		
Rodney	12	6,055			30	9,845			86.5			86.5		
Russell	11	5,635	1,032	1,266	58	7,418			100.3	19.2		119.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232		76.3	18.2		94.5		
St. George	13	4,852	3,634	3,634	1,839	8,181	232							

TABLE 25—FINANCIAL STATISTICS, 1946 (as reported by School Boards) (Operating Fund)

Schools	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debt Due Principal	
		From Province	From Counties	From Local Levy (*)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Capital Outlays from Current Funds		Total
Schreiber	47	\$ 3,700	\$ 197	\$ 10,242	\$ 229	\$ 10,532	\$ 2,752		\$	\$	115.1	30.1		115.2	\$ 17,434
Scotland	21	2,450	2,389	1,200	190	4,640					115.4			115.4	
Seely's Bay	41	3,270	539	701	35	4,582	963		365	42	159.4	11.7		171.1	
Selkirk	43	4,071				4,583					54.1			54.1	
(a) Severn Bridge															
Singhamton	18	2,327	726	436		2,947	436	335			80.4	11.9	9.1	101.4	1,308
St. John's	82	3,036		6,014		9,251					57.7			57.7	
St. John's Lookout	57	10,330		9,808		17,257					155.6			155.6	
Smooth Rock Falls	31	8,317	501	2,782	24	10,607	999				88.9	8.4		97.3	5,753
Southampton	61	7,215	1,337	1,983	298	8,162	773				77.9	7.4		85.3	7,251
South Mountain	55	7,215		2,185	188	5,061			181		67.0		36.1	103.1	
South River	39	3,392		2,133	15	5,404					128.7			128.7	
Sparta	22	2,550		1,235	54	3,839					75.9			75.9	
Spencerville	50	6,016	1,003	1,563	51	6,973					93.0	30.1		123.1	1,799
Springfield	31	3,185	837	3,340	29	7,788	1,799			701	121.5	19.0		140.5	11,545
Springdale	61	6,000	2,323	2,705		3,307	2,305	390			125.3	26.0	11.0	162.3	1,730
Stayner	18	2,082		3,000		4,437	2,006	196		94	68.4		2.5	70.9	
Stella	40	4,475	1,146	2,006	584	7,897			40		91.3	8.0		99.3	
Stevensville	39	3,755	345	1,121		5,107					61.7	17.4		79.1	
Sunderland	28	2,940		2,660		5,018	441				83.4		1.8	85.2	12,861
Sundridge	94	11,270	1,222	3,315	63	11,951	3,234				67.3		2.4	69.7	31,011
Sutton West	51	6,102	1,210	1,470	303	8,352					86.0		1.3	87.3	
Tamworth	50	5,318	942	2,759	232	5,905	106		238		67.3			67.3	
Tara	43	3,458	693	2,759		5,607					86.0			86.0	
Tavistock	55	6,733	1,132	2,545	11	9,205					65.4			65.4	
Teeswater	47	5,245	983	2,545	8	6,255	1,311				68.3	14.3		82.6	
Thamesford	71	6,715	920	2,526	10	9,051			45		119.5			119.5	
Thamesville	22	3,185	638	1,146	493	5,117					91.8		7.1	98.9	
Thorndale	22	2,922	986	1,146		1,252					85.2			85.2	
Thornton	24	2,801	789	855		1,056	338				62.6			62.6	
Tiverton	48	4,590	780	513		4,898			19		62.6			62.6	
Tottenham	11	3,871	834		278	5,141					108.8	7.1	9	116.8	3,545
Wales	41	4,687	1,671	2,773	81	8,150	534	65			18.0		3.3	21.3	
Warkworth	11	1,225	849	1,746		3,338		92			55.6			55.6	
Wellesley	84	11,027	769	3,936	29	10,795	3,303	1,014		892	65.3	19.9	6.1	81.3	18,769
Wellington	45	2,820		2,736		4,874					95.2			95.2	
West Lorne	15	924	540	1,801	5	2,736					67.5			67.5	
Westmount	33	3,198	1,418	1,335	610	4,346			60		58.9			58.9	
Westport R.C.	52	4,000	168	1,200	2,738	5,900					88.9			88.9	
Wheatley	67	8,715	1,438	1,897		11,403	915		143	4,155	82.7		7.1	89.8	7,835
Woodville	36	4,287	1,042	2,059	10	5,752	1,569		81		145.2		22.5	167.7	
Wooler	17	2,205	948	1,106	30	4,714	630		37		84.4			84.4	
Wroster	28	3,675	247	3,632		4,615			100	508					
Totals and Averages	8,359	859,759	169,164	449,026	61,862	1,291,432	118,727	43,442	17,351	23,036	80.1	7.4	2.7	90.2	588,694

(A) 1945 Report. A number of 1946 Reports were not received in time for printing.

(B) Discontinued June 1946, no report available.

(C) Discontinued June 1946.

(\*) Includes debenture levy.

## THE COLLEGIATE INSTITUTES AND HIGH SCHOOLS

TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

COLLEGIATE INSTITUTES	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attend- ance Efficiency Percent- age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non- Resident Pupils
<i>In Counties</i>														
Barrie.....	639	314	325	532	93	294	165	112	96	62	413	5	220	1
Belleville.....	564	255	309	564	94	186	119	112	66	81	394		170	
Brantford.....	776	380	396	743	94	281	190	118	100	87	616		160	
Brockville.....	637	294	363	575	93	225	160	105	116	51	516	2	138	1
Chatham.....	608	297	311	559	95	196	158	109	84	165	443		165	
Clinton.....	154	62	92	134	95	53	38	10	27	26	65	1	88	
Cobourg.....	443	185	258	379	94	148	111	89	51	44	292		151	
Collingwood.....	300	121	179	266	95	116	57	65	26	36	243	1	56	
Cornwall.....	691	270	121	627	95	283	177	98	83	50	419	2	268	2
Georgetown.....	250	107	143	363	95	125	92	85	52	41	319	70	6	
Goderich.....	722	389	333	650	94	193	184	148	101	96	563	9	150	
Guelph.....	824	400	424	673	91	258	186	139	124	117	795		28	1
Hamilton—Central.....	859	426	433	797	95	228	232	164	115	120	828	1	30	
Delta.....	830	394	436	741	94	240	194	131	118	147	730	10	90	
Westdale.....	224	104	120	188	91	88	48	41	23	21	165	4	55	
Ingersoll.....	839	432	407	659	85	264	198	149	117	111	683		152	4
Kingston.....	635	287	348	568	94		168	159	175	133	582		53	
Kitchener-Waterloo.....	604	289	315	538	95	161	142	100	98	103	375	17	212	
Lindsay.....	881	415	469	813	91	232	214	160	133	145	713	2	168	1
London—Central.....	301	317	316	562	96	190	145	123	71	83	493	1	124	
Sir Adam Beck.....	716	371	345	656	94	183	165	116	108	114	540	6	167	3
South.....	151	49	102	133	94	43	37	33	24	14	77		74	
Morrisburg.....	349	132	217	303	92	125	87	51	52	34	162	5	182	
Napanee.....	330	170	160	287	93	96	76	59	59	40	324		6	
Niagara Falls.....	499	212	287	475	92	206	142	71	45	35	358	1	136	4
Orillia.....	906	456	450	808	95	332	228	151	97	98	737		179	
Oshawa.....	1,414	656	758	1,288	93	333	332	297	216	266	1,417		14	13
Ottawa—Glebe.....	1,160	493	667	1,010	92	265	238	256	196	205	951		182	27
Lisgar.....	153	199	254	408	94	117	94	60	65	65	319	3	101	
Owen Sound.....	360	173	187	368	93	147	79	57	13	34	252		108	
Pembroke.....	404	170	234	368	95	115	105	61	70	50	221	7	176	
Perth.....	800	355	445	715	95	320	156	140	89	95	626		172	2
Peterborough.....	262	103	159	234	94	114	63	42	27	16	124		138	



TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

COLLEGIATE INSTITUTE	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non-Resident Pupils
<i>In Counties</i>														
Renfrew.....	342	182	160	311	96	121	74	55	34	58	209	.....	133	.....
St. Catharines.....	829	402	427	811	94	239	220	131	153	86	657	6	161	2
St. Mary's.....	312	138	174	276	95	110	69	54	55	27	151	.....	161	.....
St. Thomas.....	578	281	297	517	93	183	134	91	91	79	393	.....	185	.....
Sarnia.....	654	298	356	587	93	211	149	133	81	80	467	.....	186	1
Scarborough.....	775	386	389	667	92	353	196	104	64	58	700	.....	75	.....
Smith's Falls.....	482	203	279	422	94	157	146	78	53	48	355	.....	127	.....
Stamford.....	466	241	225	436	96	184	78	91	58	55	316	.....	95	.....
Stratford.....	803	412	391	679	93	294	150	136	115	108	691	4	108	.....
Strathroy.....	179	83	96	163	95	64	12	30	18	25	114	3	62	.....
Toronto—Bloor.....	545	302	243	528	95	187	135	89	61	73	539	.....	.....	6
Harbord.....	1,322	858	464	1,208	95	392	339	221	196	174	1,320	.....	.....	2
Humberside.....	1,300	661	639	1,231	93	303	305	236	216	240	1,200	.....	.....	100
Jarvis.....	1,109	600	509	946	93	298	248	188	225	150	1,034	67	.....	8
Lawrence Park.....	1,370	650	720	1,219	93	294	337	269	231	242	1,359	.....	.....	11
Malvern.....	1,150	664	486	1,011	93	336	266	204	150	194	1,141	.....	.....	6
North.....	1,360	691	669	1,226	96	351	319	242	213	235	1,327	11	.....	19
Oakwood.....	1,031	535	496	974	91	288	227	172	165	179	999	16	.....	16
Parkdale.....	840	419	421	799	94	251	189	143	138	119	830	.....	.....	10
Riverdale.....	1,044	555	489	960	95	356	265	184	119	120	1,010	2	.....	2
Vankleek Hill.....	142	62	80	124	96	62	31	22	12	12	38	25	77	2
Weston.....	404	236	225	400	92	149	109	85	63	55	211	.....	210	10
Windsor—Kennedy.....	410	455	485	819	96	299	276	187	103	75	741	.....	199	.....
Patterson.....	727	332	395	674	96	241	185	148	96	57	706	1	20	.....
Sandwich.....	438	180	258	409	96	132	112	92	74	28	397	.....	.....	.....
Walderville.....	959	417	542	941	97	271	231	229	139	86	882	10	67	.....
Woodstock.....	672	311	361	581	93	213	193	110	93	63	448	.....	220	.....
York—Memorial.....	878	373	505	763	93	353	241	135	130	116	811	.....	.....	3
York—Rumymede.....	814	394	423	741	90	232	201	143	79	62	874	.....	.....	.....
Vaughan Road.....	1,530	696	834	1,334	93	473	424	268	203	162	1,393	4	129	1
York East.....	1,551	748	803	1,365	93	732	380	195	136	108	1,536	.....	15	.....
York North.....	574	283	291	493	91	225	151	95	58	45	411	.....	163	.....
Total.....	46,527	22,497	24,030	41,689	92	14,536	11,260	8,287	6,511	5,433	39,213	358	6,695	261



TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

COLLEGIATE INSTITUTES	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attend- ance Efficiency Percent- age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non- Resident Pupils
<i>In Districts</i>														
Fort William .....	681	324	357	622	96	209	157	129	93	93	600		81	
Kirkland Lake .....	527	261	266	475	94	198	127	68	65	69	468		59	
North Bay .....	517	231	286	461	94	205	107	82	68	55	413	10	67	27
Port Arthur .....	429	191	238	386	95	114	108	75	64	68	396			33
Sault Ste. Marie .....	859	412	447	790	96	282	219	153	110	95	726	8	125	
Total .....	3,013	1,419	1,594	2,737	95	1,008	718	507	400	380	2,603	18	332	60
Total All Collegiates .....	19,540	23,916	25,624	44,426	91	15,544	11,978	8,794	6,911	6,313	41,816	376	7,038	310
<i>High Schools</i> <i>In Counties</i>														
Alexandria .....	170	59	111	145	94	49	61	27	13	20	159	5	3	3
Alliston .....	185	82	103	176	97	64	38	31	27	25	84	5	96	
Almonte .....	159	70	89	138	96	38	32	33	22	34	114	4	41	
Amherstburg .....	142	65	77	127	94	33	40	32	16	21	129		13	
Arnprior .....	276	125	151	267	97	127	62	21	32	34	184		91	1
Arthur .....	127	48	79	106	92	40	28	27	16	16	36		91	
Athens .....	185	77	108	168	93	59	37	37	31	21	39		116	
Aurora .....	303	137	166	259	94	112	68	50	45	28	135		168	
Avonmore .....	153	20	33	48	96	14	19	5	8	7	46		7	
Aylmer .....	177	92	85	154	91	58	47	22	30	20	72	1	101	
Bancroft .....	77	40	37	67	95	27	26	11	13		52		25	
Beamsville .....	236	100	136	215	95	99	52	42	31	12	67		169	
Blenheim .....	229	90	139	203	96	73	61	40	24	31	72	1	156	
Bowmanville .....	261	128	133	228	95	96	68	38	32	27	159		102	
Bradford .....	126	61	65	111	95	42	30	15	18	21	53		73	
Brampton .....	358	160	198	122	94	122	88	67	45	36	194		161	
Brighton .....	105	48	57	92	93	31	29	17	11	17	76		29	
Burford .....	107	54	53	95	93	38	29	17	10	13	27		80	
Burlington .....	394	178	216	377	90	133	108	53	59	41	190		204	
Caledonia .....	159	63	96	138	96	60	48	31	11	9	67		92	
Campbellford .....	173	62	111	150	91	57	47	31	17	18	111		62	
Carleton Place .....	282	119	163	251	97	86	64	57	52	33	186		96	
Cayuga .....	95	35	60	85	91	29	29	17	30	11	30		65	
Chesley .....	141	62	79	112	91	54	33	21	17	16	104	1	36	
Chesterville .....	133	52	81	106	93	44	30	25	18	16	53		80	
Colborne .....	87	37	50	75	87	32	22	11			10	2	45	
Dell .....	186	93	93	156	91	48	66	29	33	10	82		101	

TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

HIGH SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary Districts	County and District Pupils	Non-Resident Pupils
<i>In Counties</i>														
Deseronto.....	78	20	58	71	91	25	23	15	5	10	14		27	7
Drayton.....	67	28	39	62	93	23	15	11	11	7	18		49	
Dundalk.....	111	11	70	102	97	38	35	17	11	7	26	5	80	
Dundas.....	220	103	117	191	93	88	56	36	23	17	175		45	
Dunnville.....	215	103	112	212	96	105	60	37	26	17	153		92	
Durham.....	127	47	80	112	96	47	40	16	14	10	69	2	56	
Dutton.....	109	49	60	109	81	29	29	15	13	22	31	5	73	
Elmira.....	162	69	93	152	96	50	41	39	15	17	83		79	
Elmvale.....	71	26	45	61	92	18	18	21	9	5	63		8	
Elora.....	82	37	45	72	95	34	22	13	7	6	35		47	
Embrun.....	82	57	25	77	97	26	21	18	11	6	51		30	1
Essex.....	278	124	154	236	92	88	86	59	27	18	76		202	
Etobicoke.....	534	254	280	466	94	112	115	83	40	27	527	1	7	
Exeter.....	213	80	133	187	93	82	43	33	37	18	65		147	
Pergus.....	212	106	136	230	96	72	53	13	39	35	150	2	90	
Finch.....	84	29	55	69	95	28	20	12	18	6	12		72	
Flesherton.....	77	33	44	63	90	23	21	11	14	8	69		8	
Forest.....	130	59	71	129	93	43	37	18	15	17	64		66	
Fort Erie.....	110	150	260	290	96	108	61	46	49	26	261		29	
Cananogue.....	229	96	133	201	94	63	57	18	38	23	168	5	56	
Georgetown.....	127	63	64	108	94	57	29	11	12	15	77		50	
Glencoe.....	134	70	64	114	93	41	26	30	15	19	63	1	70	
Grimsby.....	193	92	101	175	91	65	46	36	23	23	102		91	
Hagersville.....	136	59	77	117	94	46	11	21	5	23	53		77	6
Hanover.....	230	114	116	188	94	67	58	11	32	29	142		88	
Harrison.....	78	31	47	67	92	32	13	12	13	8	44		34	
Harrow.....	173	75	98	153	96	48	46	39	20	20	166		7	
Hawkeock.....	60	21	39	49	94	19	12	16	9	4	34		26	
Hawkesbury (Eng.).....	75	37	38	67	97	22	18	7	9	19	12		19	11
Hawkesbury (Fr.).....	166	81	85	142	97	65	32	40	29		149	1	17	
Iroquois.....	85	39	46	75	97	25	24	15	11	10	45		10	
Kemptville.....	136	56	80	116	93	41	34	24	11	23	57	8	71	
Kincardine.....	165	65	100	153	95	66	40	23	10	26	103	2	60	
Kingsville.....	190	78	112	165	91	77	43	32	23	15	112		78	
Lakefield.....	102	40	62	88	95	32	21	11	18	14	56		46	
Leamington.....	181	223	258	439	96	164	144	103	37	33	255	2	221	
Listowel.....	252	104	148	222	95	91	68	40	23	30	97		155	
Lucan.....	90	36	54	81	94	31	26	13	11	6	37		53	
Lucknow.....	86	33	58	74	91	28	24	12	13	9	40		16	

TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

HIGH SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percent-age	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non-Resident Pupils
<i>In Counties</i>														
Madoc.....	148	64	84	128	94	48	36	31	19	14	47	.....	101	.....
Markdale.....	100	32	68	81	95	37	25	15	12	11	33	.....	67	.....
Markham.....	183	79	104	163	94	70	42	36	21	14	53	.....	130	.....
Marmora.....	81	39	42	70	94	27	24	12	8	10	45	.....	36	.....
Maxville.....	92	40	52	77	93	25	21	21	12	13	39	.....	53	.....
Meaford.....	138	58	80	116	94	45	24	32	18	19	95	.....	43	.....
Nerlin.....	69	32	37	59	94	32	22	8	6	1	18	.....	51	.....
Nerritton.....	178	92	86	148	91	61	41	26	31	16	128	49	.....	1
Midland.....	293	139	154	250	97	115	77	31	25	15	197	30	65	1
Milton.....	154	62	92	140	93	62	29	31	22	10	83	.....	71	.....
Mimico.....	855	387	468	768	95	335	221	141	96	62	399	.....	456	.....
Mitchell.....	283	124	159	241	94	99	58	63	40	23	101	.....	182	.....
Morewood.....	40	21	19	35	92	12	9	7	6	6	15	.....	25	.....
Mount Forest.....	151	70	81	128	94	51	43	23	18	16	87	.....	64	.....
Nepean.....	600	256	344	512	92	173	165	118	79	65	554	3	39	4
Newburgh.....	103	47	56	88	94	43	27	21	7	5	16	.....	84	.....
Newcastle.....	37	19	18	32	92	12	9	9	7	.....	17	.....	20	.....
Newmarket.....	329	147	182	301	96	116	80	56	45	32	169	.....	160	.....
Niagara-on-the-Lake.....	59	21	38	52	91	19	10	14	12	4	39	.....	20	.....
Norwich.....	92	38	54	81	94	42	18	15	8	9	53	3	36	.....
Norwood.....	112	45	67	96	95	36	35	21	12	8	55	.....	57	.....
Oakville.....	305	144	161	270	94	106	76	51	29	43	194	.....	111	.....
Ormenie.....	43	19	24	35	80	12	14	9	8	.....	22	.....	21	.....
Orangeville.....	220	87	133	192	96	67	49	44	35	25	109	.....	111	.....
Palmerston.....	147	52	95	137	96	49	29	26	13	30	75	.....	72	.....
Paris.....	227	97	130	208	95	83	51	33	25	35	154	47	26	.....
Parkhill.....	117	47	70	105	96	42	23	16	13	23	53	3	61	.....
Penetanguishene.....	129	56	73	114	92	53	28	33	15	.....	119	.....	6	4
Petrolia.....	213	82	131	182	94	91	57	29	21	15	103	.....	110	.....
Plantagenet.....	122	59	63	116	94	34	25	31	17	12	84	.....	38	.....
Port Colborne.....	516	206	310	463	95	155	163	100	62	36	297	.....	219	.....
Port Credit.....	495	252	243	423	91	169	131	82	69	14	116	.....	379	.....
Port Dover.....	92	34	58	76	93	34	28	20	10	.....	69	.....	23	.....
Port Elgin.....	105	39	66	94	95	36	31	15	16	7	54	.....	51	.....
Port Hope.....	309	135	174	267	93	115	87	63	21	23	204	.....	105	.....
Port Perry.....	118	47	71	109	95	46	33	28	4	7	52	.....	66	.....
Port Rowan.....	31	14	17	25	92	12	11	5	3	.....	24	.....	7	.....

TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREA, 1945-46

HIGH SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS			
	Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XI	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non-Resident Pupils
<i>In Counties</i>														
Prescott.....	177	72	105	155	94	63	39	23	26	26	130	.....	47	.....
Preston.....	235	105	130	209	95	69	51	39	41	29	163	65	5	2
Richmond Hill.....	214	93	121	208	94	97	48	30	21	15	70	.....	141	.....
Ridgeway.....	153	65	88	138	95	36	36	20	34	27	50	1	102	.....
Ridgeway.....	112	64	48	101	94	27	36	20	17	12	20	.....	20	.....
Rockland.....	78	35	43	70	95	25	21	20	10	2	59	.....	19	.....
Saultfleet.....	308	143	165	266	91	131	91	16	17	23	271	32	4	1
Seaford.....	128	51	77	113	96	55	26	18	15	11	71	.....	57	.....
Shelburne.....	116	43	73	104	94	40	33	14	16	13	19	.....	67	.....
Simcoe.....	486	216	270	455	94	185	103	61	87	50	252	12	222	.....
Smithville.....	113	46	67	103	93	44	29	16	16	8	44	.....	69	.....
Stirling.....	130	52	78	111	95	51	32	18	20	9	42	.....	88	.....
Stouffville.....	128	53	74	114	95	51	31	22	10	14	42	.....	86	.....
Streetsville.....	65	28	37	57	93	34	15	7	4	5	30	.....	35	.....
Sydenham.....	189	91	98	160	92	76	44	27	25	17	187	.....	2	.....
Thorburn.....	96	43	53	83	95	34	21	16	11	11	29	.....	67	.....
Thorold.....	255	133	122	234	96	101	69	29	31	22	190	.....	65	.....
Tilbury.....	109	35	74	95	95	45	31	11	16	6	87	.....	22	.....
Tillsonburg.....	301	128	173	273	97	119	59	18	38	37	178	2	121	.....
Trenton.....	288	129	159	258	95	101	77	44	34	32	212	8	67	1
Tweed.....	151	69	82	128	91	43	29	29	30	20	73	5	73	.....
Uxbridge.....	143	61	82	125	96	36	34	36	10	27	64	.....	79	.....
Vienna.....	27	16	11	22	92	12	7	4	4	.....	6	.....	21	.....
Walkerton.....	154	62	92	139	95	48	39	19	25	23	84	1	69	.....
Wallaceburg.....	222	91	131	200	95	76	68	37	15	26	148	.....	71	.....
Wardsville.....	37	10	27	31	93	13	7	9	8	.....	17	.....	20	.....
Waterdown.....	135	64	71	116	93	64	28	18	14	11	120	.....	15	.....
Waterford.....	119	59	81	124	96	49	37	24	14	16	49	.....	91	.....
Watford.....	119	48	71	108	95	34	31	17	22	15	46	5	68	.....
Welland.....	417	199	218	353	95	146	98	75	44	54	266	.....	151	.....
Whitby.....	158	87	157	211	92	72	56	47	44	25	146	5	74	19
Wheaton.....	158	64	94	126	93	61	34	25	17	18	87	2	69	.....
Williamstown.....	91	35	56	78	94	26	22	10	23	10	37	.....	67	.....
Winchester.....	136	60	76	121	93	32	38	24	15	27	37	6	93	.....
Wingham.....	161	61	100	143	96	57	32	34	20	18	79	1	81	.....
Totals.....	24,618	10,769	13,849	21,528	91	8,563	6,162	4,221	3,114	2,558	13,841	335	10,377	65

TABLE 26—ENROLMENT, ATTENDANCE, GRADE ENROLMENT, ENROLMENT BY AREAS, 1945-46

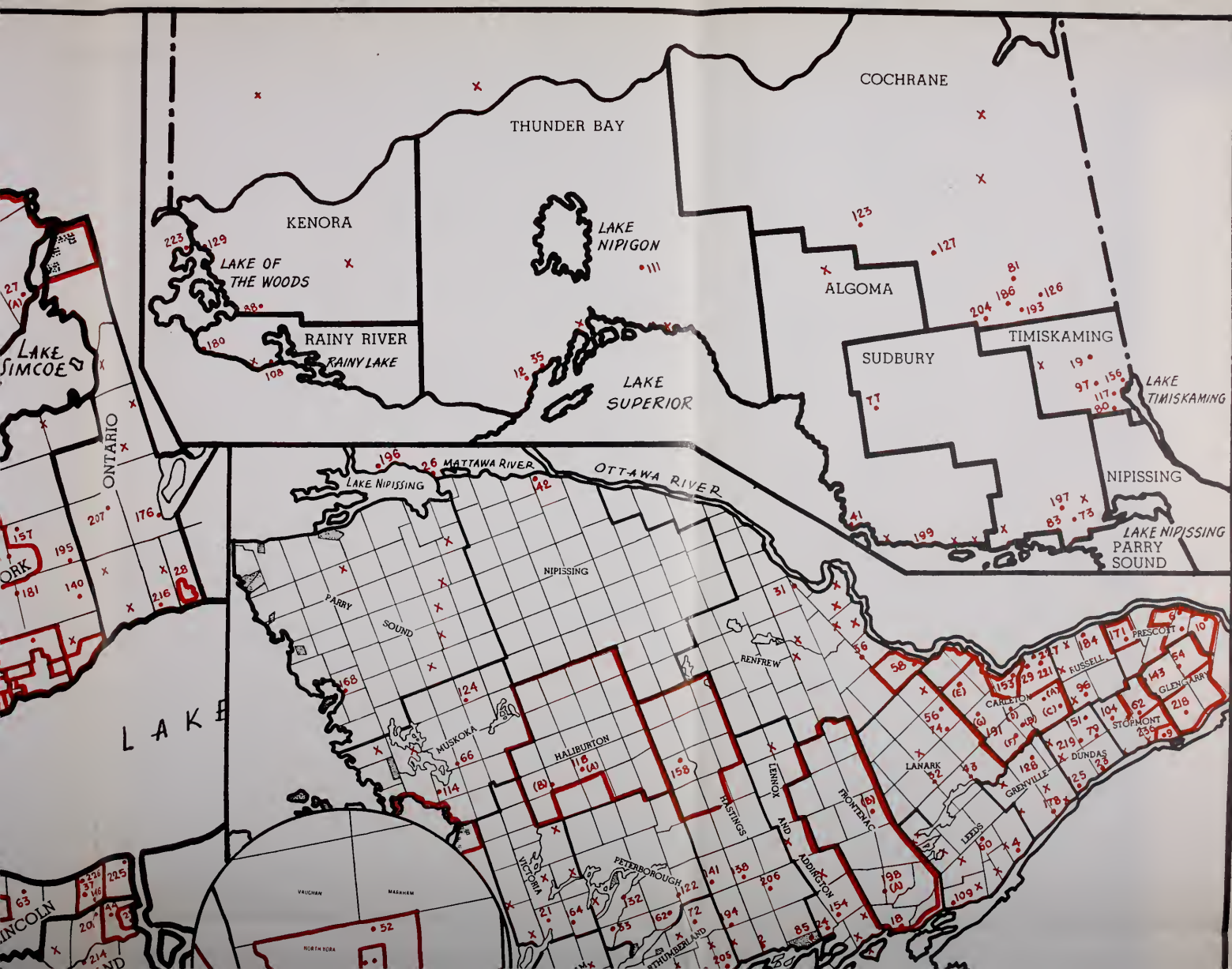
HIGH SCHOOLS	NET ENROLMENT			ATTENDANCE		NET ENROLMENT BY GRADES					NET ENROLMENT BY AREAS				
	Total	Male	Female	Average Daily Attendance for the School Year	Attendance Efficiency Percentage	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Resident Pupils	From other Secondary School Districts	County and District Pupils	Non-Resident Pupils	
<i>In Districts</i>															
Bracebridge.....	261	100	161	217	93	102	60	50	25	24	116	23	116	6	
Capreol.....	91	43	48	76	93	30	28	11	12	10	81	.....	10	.....	
Chapleau.....	114	48	66	96	92	33	27	21	13	20	105	.....	9	.....	
Cobalt.....	137	77	60	118	94	53	32	22	19	11	98	1	38	.....	
Cochrane.....	171	85	86	151	95	63	50	28	17	13	140	31	.....	.....	
Copper Cliff.....	243	136	107	222	94	81	69	41	29	20	215	1	27	.....	
Dryden.....	140	54	86	117	93	55	33	31	14	7	86	1	52	1	
Englehart.....	90	41	49	78	94	36	19	13	8	14	74	.....	16	.....	
Fort Francis.....	328	144	184	283	95	125	105	45	36	17	260	.....	68	.....	
Geraldton.....	101	50	51	80	96	43	26	16	7	9	77	.....	24	.....	
Gore Bay.....	64	23	41	55	95	22	21	6	5	10	40	1	21	2	
Gravenhurst.....	134	60	74	122	94	51	38	15	16	14	73	.....	61	.....	
Haileybury.....	86	46	40	79	93	32	18	12	11	13	70	.....	16	.....	
Hearst.....	52	24	28	46	95	16	15	14	7	.....	37	.....	15	.....	
Huntsville.....	216	92	124	182	94	74	56	34	30	22	151	.....	65	.....	
Iroquois Falls.....	224	90	134	193	97	83	53	37	36	15	87	.....	137	.....	
Kapuskasing.....	264	114	150	241	97	99	57	49	31	28	248	.....	13	3	
Kenora.....	474	213	261	416	94	174	122	83	64	31	361	87	24	2	
Mattawa.....	70	27	43	61	90	24	26	12	7	1	46	.....	24	.....	
New Liskeard.....	222	97	125	180	91	74	46	33	50	19	144	6	69	3	
Parry Sound.....	260	116	144	221	94	83	75	47	32	23	184	.....	76	.....	
Rainy River.....	76	34	42	63	90	23	18	14	10	11	50	.....	26	.....	
Schumacher.....	221	110	111	203	96	75	73	35	21	17	182	.....	39	.....	
South Porcupine.....	215	87	128	202	97	78	61	33	18	25	183	.....	32	.....	
Sturgeon Falls.....	194	100	94	169	96	64	57	40	15	18	139	.....	53	2	
Sudbury.....	430	206	224	375	94	.....	116	121	95	68	343	.....	87	.....	
Thessalon.....	50	17	33	49	92	24	12	6	4	4	33	.....	17	.....	
Timmins.....	767	369	398	669	94	326	187	106	71	77	741	7	17	2	
Totals.....	5,695	2,603	3,092	4,964	94	1,943	1,530	978	703	541	4,364	158	1,152	21	
Totals—All High Schools.....	30,313	13,372	16,941	26,492	94	10,506	7,692	5,199	3,817	3,009	18,205	493	11,529	86	
GRAND TOTALS.....	79,853	37,288	42,565	70,918	93	26,050	19,670	13,993	10,728	9,412	60,021	869	18,556	407	



TABLE 27—AGE-GRADE DISTRIBUTION, SCHOOL YEAR 1945-46

	11 years	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
GRADE IX.....	Boys	2	101	1,297	4,207	4,446	1,839	367	47	1	1	12,312	26,050
	Girls	5	159	1,796	5,399	4,688	1,440	228	20	1	.....	13,738	
GRADE X.....	Boys	1	46	446	1,912	3,329	2,241	705	133	7	6	8,818	19,670
	Girls	1	3	167	1,676	4,619	3,361	846	112	1	2	10,822	
GRADE XI.....	Boys	.....	.....	6	129	1,071	2,444	1,779	669	31	15	6,263	13,993
	Girls	.....	.....	8	177	1,665	3,531	1,785	451	14	17	7,730	
GRADE XII.....	Boys	.....	.....	.....	3	92	1,030	1,980	1,236	95	66	4,901	10,728
	Girls	.....	.....	.....	4	144	1,702	2,489	1,135	50	21	5,827	
GRADE XIII.....	Boys	.....	.....	.....	.....	2	94	1,038	1,873	418	289	4,964	9,412
	Girls	.....	.....	.....	.....	8	112	1,355	1,910	169	66	4,448	
TOTALS BY SEXES.....	Boys	3	147	1,749	6,251	8,940	7,618	5,869	1,794	552	377	37,288	79,833
	Girls	6	162	1,971	7,256	11,154	10,176	6,703	1,138	235	106	42,565	
GRAND TOTALS.....	9	309	3,720	13,507	20,094	17,824	12,572	7,616	2,932	787	483		









## Legend

L—Indicates a larger high school district.

V—Vocational School (separate or attached to collegiate).

U—Indicates that the district consists of the town and adjoining union school section.

X—Marks location of continuation schools on map (these are not numbered).

## DISTRICTS OPERATING COLLEGIATES & VOCATIONAL SCHOOLS

- L 1. Barrie
- V 2. Belleville
- V 3. Brantford
- V 4. Brockville
- V 5. Chatham
- L 6. Clinton
- 7. Cobourg
- 8. Collingwood
- V 9. Cornwall
- L 10. East Prescott
- (a) Hawkesbury
- Eng. H.S.
- (b) Hawkesbury
- Fr. H.S.
- (c) Vankleek Hill Coll.
- 11. Forest Hill Village
- 12. Fort William
- V 13. Galt
- L 14. Goderich
- V 15. Guelph
- 16. Hamilton
- V Central
- Delta
- V Westdale
- V Commerce
- L 17. Ingersoll
- (a) Ingersoll Coll.
- (b) Thamesford
- H.S.
- V 18. Kingston
- 19. Kirkland Lake
- L 20. Kitchener-Waterloo
- 21. Lindsay
- 22. London
- Central
- Sir Adam Beck
- South
- V Beal Tech.
- 23. Morrisburg
- 24. Napanee
- V 25. Niagara Falls
- 26. North Bay
- L 27. Orillia
- (a) Orillia Coll.
- (b) Caldwell H.S.
- 28. Oshawa
- 29. Ottawa
- Glebe
- Lisgar
- V Technical
- V Commerce
- V 30. Owen Sound
- 31. Pembroke
- 32. Perth
- V 33. Peterborough
- 34. Picton
- 35. Port Arthur
- V 36. Renfrew
- V 37. St. Catharines
- 38. St. Mary's
- 39. St. Thomas
- Collegiate
- Vocational
- V 40. Sarnia
- 41. Sault Ste. Marie
- Collegiate
- Vocational
- L 42. Scarborough, West Hill
- 43. Smith's Falls
- L 44. Stamford, Niagara Falls
- 45. Stratford
- L 46. Strathroy
- (a) Strathroy Coll.
- (b) Lobo H.S.

## HIGH SCHOOL DISTRICTS OPERATING ONE OR MORE HIGH SCHOOLS

- L 54. Alexandria
- L 55. Alliston
- (a) Alliston
- (b) Beeton
- (c) Cookstown
- (d) Tottenham
- 47. Toronto
- Bloor
- Harbord
- Humberside
- Jarvis
- Lawrence Park
- V Malvern
- North
- Oakwood
- Parkdale
- Riverdale
- V Central Tech.
- V Central Commerce
- V Danforth
- V East Commerce
- V Northern
- V Western Tech. and Com.
- V 48. Weston
- 49. Windsor
- Hon. W. C. Kennedy
- Hon. J. C. Patterson
- Sandwich
- Walkerville
- V W. D. Lowe Voc.
- 50. Woodstock
- L 51. York East Twp., East
- Haig, Willowdale
- L 52. York North Twp., East
- Haig, Willowdale
- L 53. York Twp.
- Runnymede
- Vaughan Road
- York Memorial

- 56. Almonte
- L 57. Amherstburg
- 58. Arnprior
- 59. Arthur
- 60. Athens
- L 61. Aurora
- 62. Avonmore
- 63. Beamsville
- L 64. Blenheim
- 65. Bowmanville
- 66. Bracebridge
- 67. Bradford
- 68. Brighton
- L 69. Burford
- L 70. Burlington
- 71. Caledonia
- U 72. Campbellford
- 73. Capreol
- 74. Carleton Place
- 75. Cayuga
- L 76. Central Peel
- (a) Brampton
- (b) Balton
- 77. Chapleau
- 78. Chesley
- 79. Chesterville
- 80. Cobalt
- 81. Cochrane
- U 82. Colborne
- U 83. Copper Cliff
- L 84. Delhi
- 85. Deseronto
- 86. Drayton
- L 87. Dresden
- (a) Dresden
- (b) Florence
- (c) Thamesville
- 88. Dryden
- 89. Dundalk
- 90. Dundas
- 91. Dunnville
- V 92. Durham
- L 93. Elmira
- L 94. Elmville
- 95. Elora
- 96. Embury
- U 97. Enniskillen
- L 98. East Elgin
- (a) Aylmer
- L 99. East Middlesex
- (a) Lucan
- L 100. Essex
- L 101. Etobicoke, Islington
- L 102. Exeter
- 103. Fergus
- 104. Finch
- L 105. Flexbury
- L 106. Forest
- 107. Fort Erie
- 108. Fort Frances
- 109. Gananoque
- 110. Georgetown
- 111. Geraldton
- L 112. Glencoe
- (a) Glencoe
- (b) Bothwell
- (c) Wardsville
- 113. Gore Bay
- 114. Gravenhurst
- 115. Grimsby
- 116. Hagersville
- 117. Haileybury
- 118. Haliburton
- (a) Haliburton
- (b) Minden
- 119. Hanover
- 120. Harriston
- L 121. Harrow
- 122. Hawkeston
- 123. Hearst
- 124. Huntsville
- 125. Incoquo
- 126. Incoquo Falls
- U 127. Kapuskasing
- 128. Kempenfelt
- 129. Kenora
- 130. Kincardine
- L 131. Kingsville
- 132. Lakeshore
- L 133. Leamington
- L 134. Leaside
- L 135. Listowel
- 136. Long Branch
- 137. Lucknow
- 138. Madoc
- 139. Markdale
- 140. Markham
- 141. Mamora
- 142. Mattawa
- 143. Maxville
- 144. Meaford
- L 145. Merila
- 146. Merriton
- L 147. Midland
- L 148. Milverton
- 149. Mimico
- L 150. Mitchell
- U 151. Moravood
- 152. Mount Forest



## LIST OF SECONDARY SCHOOL DISTRICTS ESTABLISHED BY JUNE 30, 1947

56. Almonte	103. Fergus	L 153. Nepean	U 193. South Porcupine	L 232. Binbrook Township	Connell	North Augusta
L 57. Amherstburg	104. Finch	154. Newburgh	194. Stirling	L 233. Brantford Township	Coniston	Odessa
58. Arnprior	L 105. Fiesherston	155. Newcastle	195. Stouffville	L 234. Caledon Township	Conessau	Osceola
59. Arthur	L 106. Forest	156. New Liskeard	196. Sturgeon Falls	L 235. Central Elgin	Cresmore	Paincourt
60. Athens	L 107. Fort Erie	157. Newmarket	197. Sudbury	L 236. Corawall Township	Cumberland	Paisley
L 61. Aurora	108. Fort Frances	L 158. North Hastings	L 198. Sydenham	L 237. Glenora Township	Danish	Pakenham
62. Avonmore	(c) Gananoque	(a) Beaufort	(a) Sydenham	L 238. Grantham Township	Dela ware	Pelée Island
63. Beausville	110. Georgetown	(b) Shornot Lake	199. Thebes	L 239. North Essex (Belle River)	Dorchester	Pelham
L 64. Blenheim	111. Geraldton	(c) Acton	U 200. Thornbury	L 240. North Dumfries	Dublin	Pickering
65. Bowmanville	L 112. Glencoe	(b) Milton	201. Thorold	L 241. Oronodago Township	Eganville R.C.	Plattville
66. Bracebridge	(c) Glencoe	(a) North Middlesex	L 202. Tilbury	L 242. South Dumfries	Elgin	Port Barwell
67. Bradford	(b) Bothwell	(a) Parkhill	(a) Tilbury	L 243. South Middlesex	Emo	Port Carling
68. Brighton	(c) Wardwell	(b) Alisa Craig	(b) Comber	L 244. Suburban Chatham	Ennisnore	Powassan
L 69. Burford	113. Gore Bay	L 161. Norwich	L 203. Tillsonburg	L 245. Suburban Guelph	Espana	Princeton
L 70. Burlington	114. Gravenhurst	U 162. Norwood	204. Timmins	L 246. Suburban Sarnia	Ferensville	Red Lake
71. Caledonia	115. Grimsby	163. Oakville	205. Trenton	L 247. Suburban Stratford	Fewersham	Ripley
U 72. Campbellford	116. Hagersville	164. Oranmore	206. Tweed	L 248. Suburban Windsor	Flintan	Russell
73. Capreol	117. Haldimand	165. Orangeville	207. Uxbridge	L 249. Suburban Woodstock	Forester's Falls	St. George
74. Caledon Place	L 118. Haldimand	166. Palmerston	208. Vienna	L 250. Tiny Township	Frankford	Sealey's Bay
75. Cayuga	(a) Haldimand	167. Paris	209. Walkerton	L 251. West Flenborough Township	Grand Valley	Selkirk
L 76. Central Peel	(b) Minto	168. Parry Sound	L 210. Wallaceburg	L 252. Waterloo Township	Hallville	Singhampton
(c) Brampton	119. Hanover	169. Pelee Islands	L 211. Waterdown	L 253. Wilmot Township	Hawthorn	Smooth Rock Falls
(b) Bolton	120. Harrison	L 170. Petrolia	L 212. Watford		Hawthorn	Southampton
77. Chapeau	L 121. Harrow	L 171. Plantagenet	L 213. Watford		Jarvis	South Mountain
78. Chesley	122. Havelock	U 172. Port Colborne	L 214. Welland		Kinmount	Spencer's
79. Chesterville	123. Heart	173. Port Dover	L 215. West Elgin		Lafontaine	Stoyner
80. Cobalt	124. Hantsville	174. Port Elgin	(a) Dutton		Lambeth	Stella
81. Cochrane	125. Ingersoll	175. Port Hope	(b) Rodney		Leamington	Stevensville
U 82. Colborne	126. Ingersoll Falls	176. Port Perry	(c) West Lorne		Leamington	Sunderland
U 83. Copper Cliff	127. Knapikasing	177. Port Rowan			Leamington	Sundridge
L 84. Delhi	128. Knapikasing	178. Prescott			Leamington	Sutton West
85. Deseronto	129. Kenora	179. Preston			Leamington	Tarboro
86. Dryden	L 130. Kincardine	180. Rainy River			Leamington	Tenwater
L 87. Dresden	L 131. Kingsville	181. Richmond Hill			Leamington	Thorndale
(a) Dresden	132. Lakeside	L 182. Ridgeway			Leamington	Thornton
(b) Florence	L 133. Leamington	183. Rockland			Leamington	Tiverton
(c) Thamesville	134. Leaside	L 184. Rockland			Leamington	Wainwright
88. Dryden	L 135. Listowel	L 185. Saltfleet, Stoney Creek			Leamington	Wellesley
89. Dundas	136. Long Branch	U 186. Schumacher			Leamington	Wellington
90. Dundas	137. Lucknow	L 187. Seaford			Leamington	Westport
91. Dunnville	138. Madoc	U 188. Shelburne			Leamington	Westport R.C.
V 92. Durham	139. Markdale	L 189. Simcoe			Leamington	Wheatley
L 93. Elma	140. Markham	L 190. Smithville			Leamington	Woodville
L 94. Elavale	141. Marmora	L 191. South Carleton			Leamington	Wooler
95. Elora	142. Mattawa	(a) Carleton			Leamington	Wroster
96. Embury	143. Maxville	(b) Kars			Leamington	
U 97. Englehart	144. Menford	(c) Kenmore			Leamington	
L 98. East Elgin	L 145. Meriville	(d) Metcalfe			Leamington	
(a) Aylmer	L 146. Merrittton	(e) North Gower			Leamington	
L 99. East Middlesex	L 147. Midland	(f) Richmond			Leamington	
(c) Lucca	L 148. Milverton	L 192. South Peel			Leamington	
L 100. Essex	L 149. Mimico	(a) Port Credit			Leamington	
L 101. Eustice, Irlington	L 150. Mitchell	(b) Cooksville			Leamington	
L 102. Exeter	151. Morewood	(c) Streetsville			Leamington	
	152. Mount Forest				Leamington	

### CONTINUATION SCHOOLS

(shown by X on map—  
see legend)

Agincourt	216. Whitby
Alton	(a) Dutton
Aurville	(b) Rodney
Bay	(c) West Lorne
Beachburg	217. Warton
Belmont	L 218. Williamstown
Blackstock	L 219. Winchester
Blind River	L 220. Wingham
Bobbycreech	
Brooklin	
Brownsville	
Bruce Mines	
Bruce	
Burk's Falls	
Caledon East	
Cannington	
Cardinal	
Cassleton	
Chesley	
Clarendon	
Clifford	
Cobden	

### HIGH SCHOOL DISTRICTS WITHOUT SCHOOLS

A. URBAN	
221. Eastview	
222. Hespeler	
223. Keewatin	
(a) Carp	
224. New Toronto	
225. Niagara-on-the-Lake	
226. Port Dalhousie	
227. Rockcliffe Park	
B. RURAL	
L 228. Albion Township	
L 229. Ancaster Township	
L 230. Barton Township	
L 231. Beverly Township	





1841

TABLE 28—FINANCIAL STATISTICS, 1946

Collegiate Institutes	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Delinquent Principal		
		From Province	From Counties	From Local Levy (A)		From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges		Capital Outlays from Current Funds	Total
				\$	\$											
Barrie.....	550	47,517	7,378	24,266	4,014	71,458	8,717	739	73.9	8.0	65.9	8.0	73.9	19,908		
Bellefleur.....	494	29,856	10,364	45,653	563	68,671	16,953	.....	89.7	17.6	71.3	17.6	89.7	155,812		
Brantford.....	752	17,059	1,822	56,105	19,309	86,334	3,923	3,923	64.0	2.6	58.7	2.6	64.0	18,900		
Brookville.....	584	82,549	6,004	34,579	1,709	86,868	26,079	6,068	104.5	22.8	75.9	22.8	104.5	71,019		
Chatham.....	556	39,261	14,424	61,571	1,674	67,322	29,308	608	94.3	26.9	61.8	26.9	94.3	82,900		
Clinton.....	158	21,186	1,726	2,105	751	24,341	5,833	.....	97.6	18.9	78.7	18.9	97.6	86,000		
Collingwood.....	357	38,688	.....	3,950	4,087	43,742	5,051	.....	69.6	7.2	62.4	7.2	69.6	10,484		
Cornwall.....	273	35,031	1,492	11,854	11,418	47,852	8,587	271	110.8	16.1	89.6	16.1	110.8	105,000		
Fort William.....	616	32,389	19,693	36,517	3,598	74,650	17,624	1,636	74.4	14.0	59.1	14.0	74.4	221,896		
Georgetown.....	615	40,529	.....	82,855	424	90,675	33,564	2,998	107.2	28.3	76.4	28.3	107.2	455,750		
Guelph.....	369	12,367	.....	40,111	7,157	57,507	5,538	.....	80.1	.....	80.1	.....	80.1	.....		
Godfrich.....	235	21,900	5,337	9,932	3,151	32,003	3,116	1,625	52.3	12.0	69.6	12.0	52.3	29,826		
Hamilton (3).....	685	18,631	9,344	41,022	1,061	70,297	37,146	4,759	85.3	8.1	76.1	8.1	85.3	243,755		
Ingersoll.....	199	19,093	2,746	7,562	1,114	35,741	1,498	.....	91.7	.....	61.7	.....	91.7	.....		
Kirkland Lake.....	725	21,233	1,207	51,755	11,659	63,770	9,776	862	72.2	10.5	65.1	10.5	72.2	16,000		
Kitchener.....	500	25,984	6,909	36,650	7,329	62,121	9,970	6,193	76.0	9.3	57.9	9.3	76.0	(b)100,789		
Kitchener.....	550	12,035	54	59,596	5,538	55,719	4,472	1,475	73.2	4.2	52.4	4.2	73.2	33,111		
Lindsay.....	572	38,753	5,538	13,553	2,211	55,719	25,500	18,280	57.1	6.2	86.3	6.2	57.1	22,342		
London (3).....	2,094	116,006	49,947	280,112	1,394	354,065	4,551	.....	91.0	.....	63.3	.....	91.0	90,000		
Morrisburg.....	132	16,966	2,246	.....	107	16,339	4,551	.....	87.0	.....	75.3	.....	87.0	32,766		
Napanee.....	295	33,633	5,762	3,124	516	43,570	8,213	.....	81.9	.....	94.0	.....	81.9	25,897		
Niagara Falls.....	297	15,906	331	64,113	803	51,690	8,213	708	108.2	14.2	60.4	14.2	108.2	63,422		
North Bay.....	487	27,419	.....	32,126	1,107	57,601	4,400	.....	65.8	4.4	59.6	4.4	65.8	25,116		
Orillia.....	505	28,099	8,210	27,962	516	58,934	4,472	.....	64.0	.....	63.2	.....	64.0	31,093		
Oshawa.....	830	25,916	11,741	73,700	675	106,134	2,301	.....	79.4	.....	65.2	.....	79.4	.....		
Ottawa (2).....	2,265	80,613	17,386	343,716	10,068	367,336	60,344	1,113	97.2	13.6	82.7	13.6	97.2	7,181		
Owen Sound.....	425	18,401	7,885	29,252	1,899	55,347	195	.....	66.4	.....	66.4	.....	66.4	267,859		
Pembroke.....	322	30,852	6,888	13,650	6,394	41,949	13,650	.....	66.6	2.2	66.4	2.2	66.6	148,733		
Peterborough.....	390	25,937	2,322	60,093	.....	43,299	.....	.....	59.3	.....	59.3	.....	59.3	.....		
Pictou.....	715	24,612	12,633	11,096	890	92,258	6,964	6,964	70.7	5.0	65.7	5.0	70.7	.....		
Port Arthur.....	237	18,534	13,020	55,613	252	29,209	3,628	1,840	81.0	.....	63.3	.....	81.0	.....		
Renfrew.....	403	12,255	27,733	55,613	2,822	67,325	14,449	.....	86.6	.....	63.3	.....	86.6	.....		
St. Catharines.....	261	26,072	4,846	68,912	657	107,981	10,003	.....	68.7	28.2	68.7	28.2	68.7	82,562		
St. Mary's.....	293	35,553	15,374	4,514	40,714	80,562	4,281	.....	75.1	7.5	70.9	7.5	75.1	19,856		
St. Thomas.....	516	22,805	19,002	78,079	1,255	100,080	1,500	3,898	80.1	.....	80.1	.....	80.1	.....		
Sarnia.....	588	33,007	19,002	78,079	1,255	100,080	1,500	2,243	81.0	3.9	80.1	3.9	81.0	13,500		
Sault Ste. Marie.....	816	69,067	.....	101,085	3,218	119,975	2,436	927	86.4	1.3	74.6	1.3	86.4	240,750		
Scarborough.....	691	51,764	8,221	52,487	8,051	81,171	23,187	927	95.0	14.6	81.6	14.6	95.0	130,750		
Smith's Falls.....	430	33,347	7,623	25,000	627	54,222	18,221	12,138	82.0	13.1	59.7	13.1	82.0	106,641		
Stamford.....	421	64,634	8,138	34,705	9,394	75,608	8,827	14,539	66.0	.....	64.3	.....	66.0	.....		
Stratford.....	698	51,615	6,475	40,179	1,453	73,705	9,417	1,467	75.8	10.7	68.9	10.7	75.8	24,037		
Strathroy.....	155	20,284	8,367	1,751,739	.....	23,705	317,509	33,367	73.4	1.6	78.4	1.6	73.4	2,338,293		
Toronto (12).....	10,181	397,010	.....	32,144	.....	1,757,497	.....	.....	88.0	.....	88.0	.....	88.0	.....		

TABLE 28—FINANCIAL STATISTICS, 1946

Collegiate Institutes	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debiture Principal	
		From Province	From Counties	From Local Levy (A)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Capital Outlays from Current Funds		Total
		\$	\$	\$	\$	\$	\$	\$	\$	\$				\$	
Vankleek Hill.....	127	13,447	3,283	1,606	7,061	19,745	3,355	60,837	1,822		79.3	4.2		79.3	
Weston.....	441	48,138	10,155	8,145	2,394	68,871	428,871	35,000			75.7	28.9	9.6	79.9	
Windsor.....	1,952	178,261	4,257	350,756	55,265	428,871	104,976	1,933			118.2	13.9	1.7	156.7	
Woodstock.....	600	53,521	11,213	38,004	2,898	77,284	16,169	1,933			66.4	14.4		82.0	
York Township (3).....	2,849	353,476	19,731	166,455	6,009	407,060	80,112	13,720			72.9	14.4	13.5	93.7	
North York.....	517	52,609	5,774	23,545	602	62,622	18,619	13,720			61.8	18.4	7.4	88.7	
East York.....	1,393	131,683	14,966	117,800	2,264	187,142	34,549	22,671	20,218		68.6	12.7		88.7	
Totals and Averages Collegiate Institutes	44,275	2,751,574	388,536	4,828,483	321,609	6,677,127	1,007,360	218,115	30,815	17,456	77.3	11.7	2.5	91.5	
HIGH SCHOOLS															
Alexandria.....	161	17,971	500	20,942	197	20,506		1,160	8,097	5,253	65.9		3.7	69.6	
Alliston.....	170	12,074	1,432	80	105	15,963	3,845				48.2	11.2		48.2	
Almonte.....	138	19,968	2,508	4,817	1,089	22,580					74.3			86.3	
Amherstburg.....	131	16,057	3,338	5,253	2,321	22,580	1,038			5,247	86.3	4.3		86.3	
Amrior.....	295	31,205	3,738	16,017	4,278	10,901				5,508	43.2			47.5	
Arthur.....	105	12,996	2,314	3,097	631	16,821					81.9			81.9	
*Athens.....	138	16,618	11,619			16,368	2,906				48.2	8.6		56.8	
Aurora.....	262	33,587	2,539	3,550	866	35,111	7,170	689	196	1,544	68.1	13.9		82.0	
Aylmer.....	157	8,160	2,475	7,101	32	11,772					92.0	21.9	5.1	97.4	
Aylmer.....	155	23,294	2,017	6,622	526	23,978	6,622	2,706	3,258	2,030	79.4		9.0	110.3	
Bancroft.....	99	13,756	278	1,050		9,200			79	1,977	47.5	3.2		48.2	
Beausville.....	233	22,236	7,369	5,517	1,350	33,551	1,453	6,153	110	5,906	73.0	14.8		90.2	
Blenheim.....	218	20,500	3,869	6,391	737	37,150	3,911	4,898			87.7	14.8		106.8	
Bowmanville.....	237	31,351	3,755	9,301		37,868	6,881				81.5	14.8		96.3	
Bracebridge.....	222	20,412		15,609	153	22,057	6,100	397			97.4	17.1	1.8	118.7	
Bradford.....	115	19,960	6,316	7,392	20	22,277	2,784	970			67.3	21.8	1.5	90.6	
Brampton.....	320	19,270	936	3,000	24,196	12,708	4,044	3,321	2,051	2,200	83.9	22.8	18.5	125.2	
Brighton.....	90	9,567	508	8,400	353	11,708	11,170	1,187			66.7	15.6	1.7	77.9	
Burlington.....	92	13,253	5,272	11,600	354	15,058	47,871	1,187			83.9	22.8	18.5	125.2	
Burlington.....	366	41,776	5,272	11,600	354	47,871	47,871	1,187			77.9	15.6	1.7	77.9	
Caledonia.....	139	13,951	4,350	3,000		21,053	2,086				71.7	13.1	3.3	104.1	
Campbellford.....	147	23,557	4,642	8,362	189	20,586	8,162	911			71.7	29.4	3.3	104.1	
Capreol.....	80	10,016	2,770	8,257	416	11,203	2,086				67.6	16.8	5.7	89.1	
Carleton Place.....	250	4,291	2,779	4,176	46	33,127	8,257	2,806			87.3			87.3	
Cayuga.....	85	11,350	5,000	3,000	317	15,840	3,440	1,400	88		86.3	18.8		105.2	
Chapleau.....	93	15,396	1,704	4,973	518	20,882	2,892	1,400			83.0	11.5	5.6	100.2	
Chesley.....	129	19,415	1,704	4,973	518	17,846	923				82.1	9.8		89.3	
Chesterville.....	111	15,470	2,680	1,388	173	17,578	2,277		131		75.3	13.5		88.8	
*Cobalt.....	145	20,911		5,467	402	23,100	4,012				78.0			78.0	
Coburne.....	69	7,976	2,860		141	10,815		1,737			83.1	28.7	3.9	91.5	
Copper Cliff.....	219	22,077		41,102	1,616	37,125	12,802							115.7	

TABLE 28.—FINANCIAL STATISTICS, 1946

High Schools	Average Daily Attendance	Revenue Receipts				Disbursements					Comparable Cost per Pupil-day (cents) for				Unmatured Debiture Principal
		From Province	From Counties	From Local Levy (A)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Capital Outlays from Current Funds	Total	
Delhi	177	\$25,798	\$3,055	\$1,606	\$701	\$24,937	\$7,106	\$1,117			78.6	224	3.5	104.5	\$82,327
Deseronto	64	8,163	700	3,000	546	10,900	2,001	1,432	129		87.3	17.7	12.3	121.2	28,350
Drayton	60	8,473	2,436	3,061	280	10,650		1,014			71.1		4.3	75.4	
Dundas	121	13,738	643	6,500	280	10,899		403	87		71.1		2.0	53.3	
Dundas	102	8,740	1,661	13,743	256	10,271	9,038	382	290		51.3	24.0	1.0	98.3	25,416
Dundas	193	16,797	7,120	8,881	837	36,348	3,881	997			83.8	8.9	2.3	95.0	18,657
Dundas	231	29,289	2,924	5,881	80	15,168	2,006				67.0	8.9	2.3	75.9	30,800
Dundas	115	13,108	1,340	5,881	293	14,014	531				76.4	2.9	2.1	79.3	131.9
Dundas	94	12,225	1,968	5,311	267	25,036	4,468	6,500			65.5	1.6		67.1	68,500
Dundas	135	16,020	11,227	10,267	293	11,321	1,121			352	80.9	8.0		88.9	9,152
Elmvalle	62	3,222	1,792	4,539	28	7,884					60.4			68.0	
Elora	71	11,236	1,732	4,500	442	11,786					61.6	6.6		68.2	58,867
Embrun	80	8,465	1,571	3,550	1,050	30,860	3,304	6,640			85.6	13.2	7.6	100.4	232,079
*Essex	240	24,394	16,570	3,791	789	74,459	11,484	2,761	5,130		58.3	6.1	6.5	70.9	13,909
Erbicoke	444	56,609	254	43,004	762	24,845	2,591	6,505			83.1	14.4		80.1	54,940
Exeter	217	20,211	2,874	1,000	464	29,726					73.3		5.0	85.2	
Fergus	231	24,927	1,713	6,505	464	12,257		766		2,945	73.2	15.9		89.1	5,968
Finch	76	10,720	5,025	1,691	68	12,310	4,333	453		5,200	107.5		8.0	116.0	
Flesherton	78	8,833	331	2,419	242	19,890					88.8	18.4		114.6	16,474
Forest	138	19,418	2,873	4,333	169	57,380	10,858	4,000	67		86.7		10.0	73.7	
Fort Erie	274	31,340	2,243	21,995	437	52,366					73.3			86.2	
Fort Frances	301	43,496	3,505	6,729	165	19,455				2,325	60.2	7.6		71.6	
Gananoque	204	13,266	3,505	6,729	165	12,529					56.7			56.7	47,835
Georgetown	115	10,503	3,230	6,901	15	19,455					76.4	19.4	1.0	96.8	14,347
Gerraldton	87	8,306				13,757	908	370	793		95.4	17.5		95.2	
Glencoe	117	10,587	1,579	2,408	133	7,060					69.6	2.7		72.3	
Gore Bay	61	7,868		2,500	106	13,763	6,881	370		243	106.3			106.3	
Gravenhurst	124	11,207	1,360	6,881	760	27,103	4,131			6,000	75.1	5.1	1.6	73.3	4,370
Grimby	181	25,402	1,691	4,256	267	19,019					70.8	2.0	2.2	70.8	
Hagersville	120	19,946	1,691	3,600	4,226	15,323	963	258			80.8			80.8	
Halleybury	83	12,735	1,975	5,968	190	25,195	1,605	199	67		103.6			103.6	
Hanover	185	23,424	2,925	5,968	168	20,809	2,045	224			106.6			106.6	
Harrison	72	8,960	1,902	3,442	190	7,640					75.1			75.1	
Harrow	159	17,908	1,928	11,605	1	27,789					80.8			80.8	
Havelock	71	6,637	928	1,705	239	7,921					53.4			53.4	
Hawkesbury (2)	215	19,774	894	3,500		17,537					103.6			103.6	
*Hearst	45	8,900		3,000		15,537					106.4			106.4	
Huntsville	172	12,666		4,500		17,232					106.4			106.4	
Iroquois	77	9,147	2,064	800	143	15,537					89.8			89.8	
Iroquois Falls	191	41,139	330	8,832	330	39,834	8,832	5,240			103.6			103.6	
Kapuskasing	247	29,593	25,852	9,000	4,011	43,390	10,852	1,899			106.4			106.4	
Kewatin	Closed	3,007				500					89.9			89.9	
Kemptville	124	18,617	3,251	2,053	874	19,413	1,553	991	10,974	2,500	78.2	6.0	4.0	88.8	13,178
Kenora	425	34,889		20,165	12,268	55,285	10,165	2,322			67.9	12.3	2.9	83.3	106,700



TABLE 28—FINANCIAL STATISTICS, 1946

High Schools	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debiture Principal	
		From Province	From Counties	From Local Levy (A)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Capital Outlays from Current Funds		Total
Kincardine	148	\$ 14,037	\$ 1,211	\$ 1,750	\$ 141	\$ 18,329	\$ 2,400	\$	\$	\$	63.4	7.2		63.4	\$
Kingsville	169	25,058	5,504	9,860	553	27,794				1,337	83.6			91.8	18,266
Lakefield	92	9,207	915	2,100	88	13,158					73.0			73.0	40,887
Leamington	455	58,184	8,150	43,146	2,103	61,266	11,508			4,800	68.7	12.9		81.6	
Listowel	225	23,139	6,118	3,126	346	29,157	1,376	100			66.0	3.1	2	69.3	1,376
Lucan	77	8,279	1,122		54	10,310				1,000	68.7			68.7	
Lucknow	76	8,260	1,672	1,996	99	10,351					69.1			69.1	
Madoc	123	12,667	2,063	3,771	108	14,414	1,774			1,500	59.7	7.3		67.0	
Markdale	93	8,172	1,313	1,290	241	12,415					68.1			68.1	
Markham	178	15,297	3,317		188	19,359		1,464			55.6		4.2	59.8	
*Marmora	70	7,662	3,904			10,347					78.6			78.6	
Mattawa	64	8,304		4,463	43	8,802					69.4			69.4	
Maxville	79	5,967	139		8,108	13,608	2,179	1,588			87.8			87.8	
Meaford	133	18,702	2,543	5,112		20,422				2,646	78.1	8.3	10.2	86.4	13,534
Merlin	66	7,305		5,611	69	8,657		163			67.3		1.3	68.6	
Merriton	157	23,652		9,980	1,320	32,047	6,072	2,599		2,857	101.4	19.8	8.3	132.7	41,250
Midland	271	22,319	1,677	13,316	4,684	37,389	6,617				70.1	12.1		82.5	19,271
Milton	136	21,817	2,053	6,203	245	30,308	5,957				71.9	22.3		97.2	22,488
Mimico	767	78,156	12,156	32,511	380	90,308	17,719	2,413			60.1	11.8	1.6	73.5	137,301
Minerva	144	25,756	7,951	3,710	209	31,808	3,710			5,131	62.4	7.3		69.7	19,500
Morewood	36	6,212	385		43	7,615					107.9			107.9	
Mount Forest	130	8,578	2,010	3,500	79	12,841		784			50.6		3.1	53.7	
Nepean	532	31,692	2,301	17,450	788	58,172	15,007	1,506			55.8	14.4	1.4	71.6	76,011
Newburgh	87	8,298	2,628	382	666	10,183		716	28		60.0		4.2	64.2	
Newcastle	34	1,800		1,700	487	5,907		187			88.9		2.8	90.8	2,200
New Liskeard	193	18,241	1,612	12,000	1,612	28,063	9,250	3,306			76.2	8.8	8.7	84.9	
Newmarket	306	31,196	2,358		324	33,977	5,250	1,622			95.2	3.4	2	98.8	1,320
Niagara	57	1,638		619	98	10,653	2,377				54.7			54.7	
Niagara	83	12,786	1,359	1,999	675	14,554	2,397				77.1	7.1	3.1	87.3	
Norwich	101	8,999	1,833	1,283	250	10,806					102.6			102.6	
Norwood	255	28,403	7,210	8,919	289	38,791	3,578	1,550	264	860	40.6			40.6	
Oakville	39	3,731	1,115	2,157	41	7,252					57.3			57.3	
Oranville	209	18,081	8,086	3,401	400	20,989	3,897	1,354			71.0	14.2	4.9	90.1	35,415
Palmerston	141	19,520	3,406			19,550	3,573				66.2			66.2	
Paris	133	8,251	1,295	1,200	688	11,053				3,044	53.4			53.4	
Parkhill	254	25,191		10,085		29,543		6,141	1,505		61.2		12.3	71.6	
Perry Sound	119	8,800	83	7,633	128	14,265		1,198			53.7		5.1	58.8	
Pettaganishlene											53.7			53.7	
*Petrolia	185	26,111	11,828			26,111	8,707				17.9			17.9	8,911
*Plantagenet	113	11,895	1,738	6,470		11,876	2,006				56.3	9.5		65.8	10,182
Port Colborne	463	24,086	673	45,767		67,443	19,319				71.2	21.3		95.5	55,781
Port Credit	433	22,928	7,327			54,483	13,073	748			64.3	15.4	9	80.6	125,366
Port Dover	84	3,531		5,025	1,369	8,563					51.3			51.3	
Port Elgin	45	1,029	1,991	6,166	72	14,791	3,166	1,300			80.6	17.3	7.1	105.0	32,621
Port Hope	268	27,947	3,897	6,106	769	32,239	4,173				61.1	7.9		69.0	
Port Perry	119	19,822	3,206	4,173		24,094	2,802			2,415	102.9	6.5		109.4	20,093
Port Rowan	24	3,639	551		2,203	5,159					110.0			110.0	
Prescott	132	19,539	1,660	10,775	227	24,416	6,783		210		83.5	23.2		106.7	63,240



TABLE 28—FINANCIAL STATISTICS, 1946

High Schools	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debenture Principal	
		From Province	From Counties	From Local Levy (A)	From Other Sources	Current Operations	Capital Charges	Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Outlays from Current Funds		Total
Preston	211	\$ 10,218	\$ 5,360	\$ 16,071	\$ 3,345	\$ 35,149	\$ 1,366	\$ 700	%	%	85.1	3.3	1.7	90.1	\$ 15,423
Rainy River	67	8,411	2,307	2,007	337	11,803	416	416	111		90.8	16.0	3.2	94.0	41,406
Ridgmont Hill	207	23,268	4,852	7,037	308	30,152	6,537	3,032		1,651	71.0	13.1	7.4	97.4	62,180
Ridgway	224	22,968	5,817	5,887	543	30,687	5,887	6,339		4,186	88.3	13.1	11.1	115.5	62,139
*Rockland	107	17,160	1,334	18,133	343	20,672	7,181			413	99.0	35.8		80.0	
Saltfleet	69	7,285	1,393	1,462		1,387					58.7			71.7	
Schumacher and South Porcupine	293	9,178	63	27,571	1,652	33,777	7,161		200	2,618	80.0	13.0		80.0	13,276
Seaford	383	34,965		11,718	543	60,875	161			748	76.9		2	77.1	
Shedden	120	17,721	1,291	6,414		19,976	2,111	5,172		3,525	81.1	8.9	21.9	115.2	21,717
Shelburne	131	13,662	2,303	3,505	201	18,428	2,732	2,218			56.2	5.3	2.6	62.5	30,124
Simcoe	442	18,608	9,102	18,335	2,544	17,042	2,910	325	368		72.6	15.1	1.7	89.4	
Smithville	102	10,038	978		315	13,962	2,910				86.6	5.4	7.3	87.0	11,391
Stirling	114	16,411	2,276	3,214	288	17,970	2,214	1,791			71.2	8.5		87.0	22,015
Stouffville	124	14,829	2,195	3,774		17,367	2,072				80.1				
Streetsville	60	4,792	288	1,637	15	9,441					79.9				
Sturgeon Falls	166	20,967	4,799	4,799	186	25,918		157			68.4	26.4	1	68.5	
Sudbury	685	21,186	69,239	3,276	186	91,374	9,535	8,510	18,265	748	66.7	25.8	23.6	116.7	21,717
Sydenham	181	30,166	25,000	25,000	43	24,015	2,868		61		94.0			91.0	16,536
Thessalon	57	8,492	1,750			7,517					81.3		5.4	86.7	
Thornbury	85	10,107	1,922	2,000	103	15,829		2,511			63.0			63.0	12,030
Thornhill	235	33,132	4,603	4,558		37,446					52.1	1.6		56.7	
Tillbury	92	6,939	3,686	4,000	39	11,279	2,108				56.5	15.2	2.6	71.3	89,185
Tillsonburg	263	23,350	2,392	3,908	382	27,001	19,731	3,388			80.7	8.0		88.7	1,663
Timmins	664	41,775	73,339	1,139	1,139	73,460	4,232				71.1	21.4	6	124.3	37,458
Trenton	268	23,949	5,081	16,685	290	42,412	4,232	150			78.6				
Tweed	134	13,159	2,429	2,438	629	18,872	6,330	5,538			117.4				
Uxbridge	132	19,278	2,769	5,000	749	20,391					81.5			81.5	
Vienna	20	3,605	1,227	305		4,527				3,035	70.7		4	71.1	
Wakarusa	133	14,602	1,796	1,889	20	21,394		163			71.7			111.7	35,880
Wallaceburg	223	22,707	3,144	10,650	271	30,918					92.4	19.3		111.7	26,512
*Wardsville	33	3,441	2,209	700		1,451	4,293		371		76.8	15.0	2.0	93.8	
Waterford	113	8,172	25	15,391	2,181	20,490	3,918	527			69.1	18.8		87.9	
Waterford	134	16,246	1,675	6,115	353	20,068	4,859				80.8	3.4		81.2	
Watford	131	15,736	1,657	6,115	49	17,816	2,500				71.7	10.8	9	127.1	25,036
Welland	371	17,322	13,908	38,955	249	59,044	3,419	371			68.3			68.3	6,371
Whitby	217	23,000	2,805	4,437	1,205	30,472	1,616		1,608	3,285	62.9	3.2	6.3	72.4	
Wharton	126	15,443	1,868	3,216	192	17,459					78.4			78.4	8,082
Williamsstown	90	6,299	2,856	2,856	101	11,892	809	1,022			71.8	9.1	2.6	83.5	2,988,724
Winchester	130	15,089	2,047	809	107	15,989					75.2	10.6	2.6	88.4	10,788,616
Wingham	117	11,158	1,931		1,369	22,539									
Totals, High Schools	27,711	2,868,524	441,562	1,325,897	186,583	3,923,785	495,803	1,447,67	19,441	116,069	71.8	9.1	2.6	83.5	2,988,724
GRAND TOTALS	71,980	5,620,098	805,098	6,154,380	508,192	10,600,912	1,503,163	362,882	80,256	133,525	75.2	10.6	2.6	88.4	10,788,616

(A) Includes debenture levy.

(B) Covers both academic and vocational departments.

(C) Data covers 1915. 1946 report received too late for publication.

**THE VOCATIONAL**  
**TABLE 29—DAY SCHOOLS—TEACHERS; PUPILS;**  
**For Classification of Pupils by**

Schools	Type of School	Teachers				Net Enrolment			Attendance	
		Full-Time		Part-Time and Occasional		Totals	Male	Female	Average Daily Attendance	Attendance Efficiency Percentage
		Male	Female	Male	Female					
In Counties										
1 Belleville.....	ACT	.....	2	18	9	282	140	142	228	92
2 Brantford.....	ACT	4	5	15	11	470	231	239	414	93
3 Chatham.....	CT	7	6	.....	2	279	148	131	229	93
4 Cornwall.....	ACT	4	1	11	8	360	222	138	296	94
5 Galt.....	ACT	4	2	13	6	303	182	121	245	93
6 Guelph.....	ACT	4	.....	10	9	393	177	216	333	92
7 Hamilton—Commerce.....	COM	9	21	.....	.....	907	79	828	776	95
8        Technical.....	T	46	16	.....	.....	1,364	1,075	289	1,115	94
9        Westdale.....	CT	21	3	8	5	891	580	381	723	94
10 Kingston.....	ACT	7	1	15	7	400	205	195	328	93
11 Kitchener.....	ACT	13	6	9	6	813	454	359	665	94
12 London.....	CT	14	14	1	.....	1,485	800	685	1,200	94
13 Niagara Falls.....	ACT	7	4	13	6	418	244	174	364	94
14 Oshawa.....	ACT	8	4	9	5	573	283	290	502	94
15 Ottawa—Technical.....	T	52	4	.....	.....	1,536	1,515	21	1,478	93
16        Commerce.....	C	25	13	.....	.....	922	129	793	776	94
17 Owen Sound.....	ACT	2	3	12	5	255	126	129	205	92
18 Peterborough.....	ACT	5	2	15	10	440	236	204	365	94
19 Renfrew.....	ACT	.....	.....	3	6	55	17	38	47	94
20 St. Catharines.....	ACT	16	7	5	2	557	260	297	552	92
21 St. Thomas.....	CT	11	8	.....	.....	391	209	182	322	94
22 Sarnia.....	ACT	4	3	20	10	559	291	268	454	91
23 Simcoe.....	A. AGR.	.....	.....	7	6	83	56	27	56	85
24 Stamford.....	ACA	1	3	10	6	146	37	109	126	95
25 Toronto—Commerce.....	COM	24	15	.....	.....	1,116	164	952	963	94
26        Eastern Commerce.....	COM	31	13	.....	.....	1,099	168	931	930	90
27        Malvern Commerce.....	AC	6	1	9	4	314	56	258	221	83
28        Central Technical.....	T	68	20	11	3	1,785	1,392	393	1,597	90
29        Danforth Technical.....	T	53	10	2	6	1,988	1,655	333	1,565	90
30        Northern Vocational.....	CT	49	23	.....	5	1,721	785	936	1,501	89
31        Western Vocational.....	CT	65	17	4	3	2,108	1,066	1,042	1,754	92
32 Welland.....	ACT	2	5	12	10	433	238	195	381	95
33 Weston.....	ACT	9	4	8	5	538	348	190	438	90
34 Windsor.....	CT	40	16	.....	.....	1,480	866	614	1,281	95
Totals.....		641	252	240	155	26,464	14,364	12,100	22,511	92
In Districts										
1 Fort William.....	CT	17	10	.....	2	587	294	296	492	94
2 Kirkland Lake.....	ACT	6	4	11	7	527	250	277	423	94
3 North Bay.....	ACT	4	1	7	4	237	161	76	202	93
4 Port Arthur.....	CT	15	12	.....	.....	540	268	272	464	94
5 Sault Ste. Marie.....	CT	13	8	.....	.....	573	258	315	459	93
6 Sudbury.....	CMT	22	14	.....	.....	923	517	406	774	93
7 Timmins.....	ACT	3	4	11	7	401	203	198	336	95
Totals.....		80	53	29	20	3,788	1,948	1,840	3,150	93
GRAND TOTALS.....		721	305	269	175	30,252	16,312	13,940	25,661	92

\*Mining

Type of School:—ACT —Composite (academic, commercial and technical).  
AC —Combined academic and commercial.  
CT —Combined commercial and technical.  
A. AGR. —Combined academic and agriculture.  
ACA —Combined academic, commercial, agriculture.

COM.—Commercial.  
T —Technical.  
N —Navigation.  
AM —Academic and mining school.

# SCHOOLS

## ENROLMENT, ATTENDANCE, GRADE DISTRIBUTION, 1945-46

Subjects of Study, see Table 16.

Classification of Full-Time Net Enrolment by Courses of Study							Grade Distribution of Full-Time Net Enrolment							Part- Time Enrol- ment	Total Net Enrolment by Residence			
General	Industrial	Home Eco- nomics	Art	Commercial	Technical (Univ.)	Agriculture	Preparatory	Grade IX	Grade X	Grade XI	Grade XII	Grade XIII	Special		Resident	Non-Resi- dent	County and District Pupils	
1	125	45		112			11	65	93	66	17				179		103	
2	196			274			1	241	136	52	40				322		148	
3	148			131				119	79	41	15		25		158		121	
4	217			143				97	129	75	59				209		151	
5	158			145				117	73	57	35		21		192		111	
6	163	11		219				165	129	71			28		304	21	68	
7	163	11		907				425	250	145	68	11	8		878		29	
8	432	160	84				175	589	305	171	67	22	35		1,266	9	89	
9	173	296	23	49	350			377	218	143	84		69	2	757		154	
10	189	79		132				170	120	68	26		16		296		124	
11	238			301	274			255	275	181	68		31		707	1	105	
12	697	126	57	605			116	501	407	230	72		159		1,160	51	274	
13	236	13		169				174	118	70	56				364		54	
14	333	119	15	106				333	144	61	35				438		135	
15	964	542	30				38	428	356	328	228	128	30	10	1,293	33	210	
16				922				289	252	224	125	32		41	859	5	58	
17	107			148				106	67	44	38				163		92	
18	220	75		145				125	157	86	53	19			361		79	
19				55				19	20	9			7		27		28	
20	557							241	143	105	68				408	2	147	
21	200	102		89				168	93	68	55	5	2		253		138	
22	280			279				210	150	111	88				395	5	159	
23						83		38	23	22					36		47	
24				125		21			74	46	19		7		101	26	19	
25				1,116				389	351	194	134	26	22		1,109	7		
26				1,099				394	315	219	137	13	21		1,093	6		
27				314				105	73	47	31		58		314			
28	316	1,035	257	177			102	644	412	255	221	151		665	1,674	48	63	
29	533	1,159	191	105			55	803	554	316	183	48	29	136	1,805	3	180	
30	395	328	74	115	809		26	506	445	351	190	94	109		1,572	35	114	
31	302	667	158	63	918		51	709	597	365	267	119			1,981		127	
32		237	6		190			181	124	73	55				166		267	
33		338	74		126			243	167	72	47	5	4		62	27	449	
34		847	60		573			498	462	321	199				1,216		264	
	4,005	9,430	1,469	680	10,502	274	104	575	9,686	7,326	4,688	2,832	673	684	854	22,118	279	4,067
1	265	46		276			42	273	151	83	38			265	508		79	
2	223			304				164	147	94	97		25		448		79	
3	146			91				45	84	60	48				188	16	33	
4	60	217	139		124			234	160	88	46	3	9		484		56	
5	256	54		263				254	162	71	36		50		478	8	87	
6	340	258		244	*81			551	202	91	66	13			689		234	
7	187			214				72	197	89	43			17	327		74	
	400	1,552	239		1,516	81	42	1,593	1,103	576	374	16	84	282	3,122	24	642	
	4,405	10,982	1,708	680	12,018	355	104	617	11,279	8,429	5,264	3,206	689	768	1,136	25,240	303	4,709

TABLE 30—AGE-GRADE DISTRIBUTION OF FULL-TIME DAY PUPILS, SCHOOL YEAR 1945-46

	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 years and over	Totals	Grade Totals
PRE-VOCATIONAL.....	Boys	2	11	62	209	139	22	2	1	.....	418	617
	Girls	.....	3	52	77	31	6	.....	.....	.....	169	
GRADE IX.....	Boys	27	391	1,594	2,266	1,363	391	65	3	2	6,111	11,279
	Girls	30	389	1,664	2,077	821	163	20	3	1	5,168	
GRADE X.....	Boys	2	38	409	1,382	1,545	756	201	1	7	4,376	8,429
	Girls	6	78	513	1,559	1,413	398	68	4	6	4,053	
GRADE XI.....	Boys	.....	3	30	384	888	878	429	24	18	2,775	5,264
	Girls	.....	5	48	512	1,036	649	179	15	8	2,489	
GRADE XII.....	Boys	.....	.....	35	309	634	634	477	60	41	1,752	3,206
	Girls	.....	.....	42	415	614	614	272	24	1	1,454	
GRADE XIII.....	Boys	.....	.....	1	12	109	109	186	52	73	556	689
	Girls	.....	.....	.....	2	26	26	45	6	24	133	
SPECIAL.....	Boys	.....	.....	2	14	33	57	58	33	44	294	768
	Girls	.....	.....	41	53	119	119	143	30	17	474	
TOTALS BY SEXES.....	Boys	31	446	2,097	4,291	4,289	2,847	1,421	176	185	16,312	30,252
	Girls	36	475	2,277	4,278	3,771	1,975	727	79	57	13,940	
GRAND TOTALS.....	67	921	4,374	8,569	8,060	4,822	2,148	794	255	242		

TABLE 31—FINANCIAL STATISTICS, DAY SCHOOLS, 1946  
(as reported by Trustee Boards)

Schools	Average Daily Attendance	Revenue Receipts				Disbursements				Comparable Cost per Pupil-day (cents) for				Unmatured Debenture Principal	
		From Province	From Counties	From Local Levy (A)	From Other Sources	Current Operations	Capital Charges	Capital Outlays from Current Funds	Fees to Other Boards	Transportation to Other Schools	Current Operations	Capital Charges	Capital Outlays from Current Funds		Total
Belleville.....	228	\$ 42,014	\$ 9,519	\$ 30,710	\$ 271	\$ 52,497	\$ 17,910	\$ 485		\$	118.0	40.3	1.1	159.4	\$ 161,788
Brantford.....	123	52,707	12,361	29,413	400	81,641	12,165	2,217			98.0	14.6	2.7	115.3	114,259
Chatham.....	239	32,043	12,188	22,910	4,872	61,158	18,573	2,659			130.7	33.0	5.7	136.4	(B)
Cornwall.....	287	11,135	16,984	22,803	671	56,051	37,944	7,481			99.7	33.0	7.2	132.7	(E) 487,525
Fort William.....	1,094	62,081	244	98,126	4,489	115,440	18,573				110.7	36.4		151.3	
Galt.....	244	39,517	5,115	19,516	1,665	63,522	37,944				93.7			93.7	
Guelph.....	302	34,169	3,845	19,026	531	55,512					127.4	29.0	5.3	161.7	960,245
Hamilton (3).....	2,101	309,475	31,232	472,652	60,249	662,878	151,239	27,436			128.9	21.6		150.5	306,803
Kingston.....	333	58,765	11,415	39,338	1,958	84,565	14,140	739		790	90.4	3.8	1.0	95.2	(B)
Kirkland Lake.....	388	46,809	28,521	651	705	68,886	2,915	739			72.2	12.8	6.6	91.6	88,519
Kitchener.....	663	65,938	47,359	93,744	16,617	93,744	16,617	8,616			95.8	14.2	110.0		68,164
(C) London.....	1,160	118,100	23,616	133,270		220,996	32,808				124.2	4.6		128.8	(D)
Niagara Falls.....	364	49,300	6,254	46,998	1,075	88,673	3,286	1,401		1,111	134.8	22.3	3.7	160.8	210,682
North Bay.....	195	49,319	80	26,221	1,072	51,588	8,528				73.7	25.9		99.6	68,641
Oshawa.....	500	49,909	8,777	26,674		72,359	25,442	4,112			96.7	18.3	9	115.9	616,128
Ottawa (2).....	2,293	183,337	31,709	303,192	14,413	431,184	81,445	2,108			115.6	32.2	5.2	150.8	207,800
Owen Sound.....	206	34,591	9,193	17,892	2,266	58,822	86,610				107.1	36.9		111.3	200,001
Peterborough.....	370	58,812	7,314	60,650	351	97,565	33,569	1,847			175.4		19.2	194.6	30,583
(C) Port Arthur.....	427	76,742	43,771		10	16,835					108.3	13.4		121.7	70,583
Renfrew.....	49	17,303	3,288	6,438		115,156	11,217				115.6			115.6	(B)
St. Catharines.....	539	53,461	16,700	68,913	2,330	115,156	11,217				111.1	20.4	2.8	131.8	128,300
St. Thomas.....	314	45,977	13,111	34,638	519	79,803	20,388				172.7	52.4		227.9	16,580
Sarnia.....	455	60,572	14,770 (F)	35,016	1,065	103,512	18,332	318			105.8			105.8	(B)
Sault Ste. Marie.....	458	65,555	1,157	7,958	25	99,990	5,862				111.1	20.4	2.8	131.8	128,300
Simcoe.....	57	16,065	4,157	12,032	1,517	30,615	5,862				172.7	52.4		227.9	16,580
Sturford.....	148	21,224	3,850	12,032	1,517	30,615					105.8			105.8	(B)
Stamford.....	519	87,072	48,667	30,436	326	103,390	24,892	819			102.2	21.6	8	127.6	139,987
Timmins.....	321	48,419	30,458	30,458	731	56,885	11,766	5,635			90.4	18.7	9.0	118.1	2,587,451
Toronto (6).....	8,509	973,400	26,936	1,630,372	98,330	2,155,785	390,905	87,627			129.3	23.4	5.3	158.2	2,587,451
Welland.....	399	51,276	11,177	302	302	88,620	21,974				112.9	28.0		140.9	(D) 170,212
Weston.....	489	36,882	26,936	12,753	1,403	80,293	10,983		120		102.2	22.6		111.8	58,914
Windsor.....	1,271	120,399	29,941	152,582	3,821	251,626	47,165				106.9	20.0		126.9	251,540
Totals and Averages	25,310	3,022,403	344,563	3,635,291	208,131	5,714,565	1,016,125	153,530	1,261	790	99.1	21.1	3.1	123.6	7,187,122

(A) Includes debenture levy.

(B) See Financial Table of Collegiate Institutes and High Schools for figure covering both academic and vocational departments.

(C) Covers 1945, as the 1946 data not available in time.

(D) Covers entire school.

(E) Gross—Sinking Fund not deducted.

(F) Includes Village of Point Edward and Township of Sarina.



TABLE 32—NIGHT SCHOOLS, 1945-46

SCHOOLS	No. of Classes	Teachers			Enrolment			Nationality		
		Total	Male	Female	Total	Male	Female	Can- adian	Brit- ish	Others
<i>In Counties</i>										
Barrie.....	10	11	5	6	257	39	219	246	7	4
Belleville.....	15	15	12	3	362	237	125	340	11	11
Brantford.....	17	18	13	5	495	340	155	419	37	39
Chatham.....	17	16	11	5	534	360	174	468	23	43
Cornwall.....	34	23	15	8	735	349	386	680	37	18
Galt.....	15	16	10	6	362	181	181	323	16	23
Guelph.....	10	12	9	3	402	249	153	348	39	15
Hamilton (3).....	98	89	67	22	2,311	1,496	815	1,877	235	199
Kingston.....	18	13	11	2	331	168	163	278	27	26
Kitchener-Waterloo.....	36	19	15	4	1,009	560	449	906	25	78
London.....	67	52	38	14	1,626	787	839	1,433	108	85
Niagara Falls.....	33	23	15	8	544	329	215	442	42	60
Oshawa.....	39	25	16	9	812	409	403	710	61	41
Ottawa (2)*.....	160	111	64	47	5,928	1,757	4,171	2,483	111	100
Owen Sound.....	12	12	7	5	401	114	287	385	12	4
Pembroke.....	8	9	6	3	159	51	108	152	5	2
Peterborough.....	46	31	23	8	1,252	731	521	1,128	77	47
Renfrew.....	8	9	5	4	146	56	90	132	11	3
St. Catharines.....	56	24	13	11	967	414	553	790	80	97
St. Thomas.....	13	13	9	4	298	162	136	267	24	7
Sarnia.....	19	13	11	2	539	314	225	467	37	35
Simcoe.....	10	9	5	4	222	85	137	200	9	13
Stratford.....	19	16	12	4	453	239	214	429	16	8
Toronto (6).....	525	370	268	102	11,490	5,410	6,080	9,809	864	817
Welland.....	21	14	10	4	545	336	209	464	10	71
Weston.....	21	21	16	5	495	268	227	420	66	9
Windsor.....	50	50	36	14	1,470	898	572	1,060	143	267
Woodstock.....	12	16	12	4	231	154	77	150	76	5
Totals.....	1,389	1,050	734	316	34,377	16,493	17,884	26,806	2,209	2,127
<i>In Districts</i>										
Fort William.....	39	36	23	13	903	350	553	807	40	56
Kirkland Lake.....	39	29	21	8	581	236	345	442	41	98
North Bay.....	15	14	8	6	323	143	180	301	11	11
Port Arthur.....	24	20	13	7	494	258	236	400	27	67
Sault Ste. Marie.....	15	14	9	5	527	228	299	492	18	17
Sudbury.....	20	23	15	8	608	284	324	514	19	75
Timmins.....	16	13	5	8	385	181	204	313	27	45
Totals.....	168	149	94	55	3,821	1,680	2,141	3,269	183	369
Grand Totals.....	1,557	1,199	828	371	38,198	18,173	20,025	30,075	2,392	2,496

\*Ottawa Technical School enrolment not classified by nationality.

## THE SENIOR AUXILIARY SCHOOLS

TABLE 33—SCHOOLS, TEACHERS, PUPILS, ETC., 1946-47

Schools	Full-Time Teachers		Full-Time Net Enrolment			Average Daily Attendance	Attendance Efficiency Percentage	Year Classification of Net Enrolment					Part-Time Enrolment	Beginners admitted during the year
	Male	Female	Total	Male	Female			1st year	2nd year	3rd year	4th year	5th year		
Hamilton—Boys' Handicraft	10	1	293	293		188	85		115	178			60	
Girls' Handicraft		8	106		106	95	85		51	38	17		54	
Toronto—Boys' (Jarvis St.)	22		603	603		336	85	268	201	116	18		218	
Girls' (Edith L. Groves)		15	331		331	182	88		74	79	178	35	210	
Girls' (Rebecca Mary Church)		12	171		171	117	85	63	59	44	5		63	
Totals	32	36	1,504	896	608	918	86	331	500	455	218	35	605	

TABLE 34—AGE-GRADE DISTRIBUTION OF NET ENROLMENT, 1946-47

	12 years	13 years	14 years	15 years	16 years	17 years	18 years	19 years	20 years	21 and over	Totals	Year Totals
First Year	14 (Boys) 14 (Girls)	139 113	148 49	77 10	5 2						383 188	571
Second Year		15 10	98 183	78 121	10 38	2					201 354	555
Third Year		8	68 31	33 120	7 83	5					116 239	355
Fourth Year			1	7 5	6	3	1				18 5	23
Totals by Sexes	14 14	162 123	315 263	195 256	28 123	3 7	1				718 786	
Grand Totals	28	285	578	451	151	10	1				1,504	

TABLE 35—FINANCIAL STATISTICS, 1946

Schools	Revenue Receipts			Disbursements			Cost per Pupil-Day (cents)					Unmatured Debt—Principal	Pupil- Days
	Average Daily Attend- ance	Legis- lative Grant	School District Levy	Other Sources	Current Oper- ations	Capital Charges	Capital Outlays from Current Funds	Current Oper- ations	Capital Charges	Capital Outlays from Current Funds	Total		
Hamilton (2)	295	31,240	47,833	3,429	76,425	1,018	4,499	111.3	1.5	2.2	115.0	977	68,662
Toronto (3)	674	97,844	152,671	555	233,672	13,292	7,471	118.4	8.4	4.5	161.3	46,249	157,489
Totals	969	129,084	199,904	3,684	310,097	14,250	8,673	137.1	6.3	3.8	147.2	16,316	226,151

TABLE 36—CAPITAL ACCOUNTS OF SECONDARY SCHOOLS, 1946

SCHOOLS	RECEIPTS				PAYMENTS							Balance on hand at end of 1946
	Balance at end of 1945	Sale of Debentures	Receipts from Insurance due to Losses	Sale of Buildings and Equipment	Other Sources	TOTAL RECEIPTS	Land and Improvements	Buildings	Furnishings and Equipment	Other Payments	TOTAL PAYMENTS	
A—COLLEGIATE INSTITUTES AND HIGH SCHOOLS												
Collegiate Institutes												
Guelph	3,467				\$ 50	\$ 3,517		\$ 6,475	1,630	1,551	9,659	\$ 3,517
Hamilton			839,105		3,500	812,605		53,398	1,910	57,417	115,755	832,946
Kirkland Lake		55,800			59,955	115,755				25	25	3,475
London		1,750			3,500	3,500				1,750	1,750	
Niagara Falls					1,270	1,270				127	127	1,143
Peterborough					5,846	5,846	2,700				2,700	3,146
Sarnia	5,801				8,949	8,949					8,949	
Toronto	86,478					86,478		18,489			18,489	86,178
Windsor					66,732	66,732		14,263			14,263	48,243
York Township	1,196	153,838			102,431	257,465						243,202
York East							2,700					
Totals	96,942	211,388	839,105		246,432	1,393,867		92,628	6,570	69,819	171,717	1,222,150
High Schools												
Bracebridge		14,351				14,351		13,351		1,000	14,351	
Copper Cliff	101					101		104			101	
Deseronto		7,000				7,000			3,000		3,000	4,000
Drayton	489	6,667		67	204	7,427	12	5,078	1,679	658	7,427	
Dryden					4,098	4,098					4,098	
Dunnville		10,000A			8,814	18,814		15,376			15,376	3,438
Ethioka	13,676				86,999	100,675		72,293	25,472	3,000	100,675	
Gerrardton		3,599A				3,599		3,599			3,599	
Haleybury	63,141		102	189	626	64,058	25,878	80,448	1,318	3,130	109,756	62,740
Leaside		112,950A				112,950					1,318	3,191
Lockport	2,500				63	2,563					2,563	
Markdale	2,849				5,000	7,849			179		7,670	
Mattawa		127,725			276	128,001		8,000		3,300	11,300	116,701
Palmerston					11,237	14,237		12,058	1,348	820	14,226	
Port Colborne		4,028				4,028		4,028	4,028		4,028	
Southport		7,387				7,387	5,767	658	962	7,387	7,387	
Tweed					6,000	6,000		5,299	694		5,993	96
Winchester	796					796					797	
Totals	83,555	293,707	102	236	126,317	503,937	31,657	220,182	38,680	12,208	302,727	201,210
Totals, High Schools and Collegiate Institutes	180,497	505,095	839,207	256	372,749	1,897,804	31,357	312,810	45,250	82,027	471,411	1,423,360
VOCATIONAL SCHOOLS												
Guelph	1,090				35	1,125						1,125
Niagara Falls	1,750					1,750				1,750	1,750	
St. Catharines					6,772	6,772		6,772			6,772	
Sarnia	5,801				44	5,845	2,700				2,700	3,145
Welland	17,543			1,269	121	18,933		8,134			8,134	10,799
Totals	26,184			1,269	6,972	34,425	2,700	14,906		1,750	19,356	15,039
CONTINUATION SCHOOLS												
Forest Hill		51,232				51,232						51,232
Lafontaine		20,380	20	71		20,471	716	17,552	2,203		20,471	
Pelham	9,181				7,376	16,557		16,214	4,067		14,341	
Totals	9,181	71,612	20	71	7,376	88,260	716	27,796	6,300		34,812	53,418
Grand Totals, All Secondary Schools	215,862	576,707	839,227	1,596	387,097	2,020,489	37,773	355,512	51,550	83,777	528,612	1,491,877
A—Advance by municipality against sale of debentures.												

A—Advance by municipality against sale of debentures.

TABLE 37—FINANCIAL STATISTICS OF HIGH SCHOOL DISTRICTS WITHOUT SCHOOLS, 1946

High School District	County	Major Sources of Receipts		Disbursements			
		Legislative Grants	Local Tax Levy	Tuition	Transportation	Other Costs (mainly administration)	Total
Townships							
Albion	Peel	\$2,879	\$3,198	\$3,822			\$3,822
Ancaster	Wentworth		12,700	13,359		51	13,110
Barton	Wentworth	1,341	5,256	6,705			6,705
Beverly	Wentworth	3,979	6,400	7,151		50	7,201
Binbrook	Wentworth	2,541	2,800	3,861		59	3,920
Brantford	Brant	12,183	11,258	17,379		25	17,404
Caledon	Peel	4,311	4,621	5,820		16	5,836
Carleton North	Carleton	9,600		4,000	\$3,785	49	7,834
Chinguacousy	Peel	13,408	11,375	17,974			17,974
Dumfries North	Waterloo	2,705	6,012	6,012			6,012
Dumfries South	Brant	3,654	7,045	5,566		55	5,621
Essex North	Essex		8,032			241	241
Flamboro West	Wentworth	2,404	7,928	9,979	812	35	10,826
Glanford	Wentworth	1,280	2,088	3,979		40	4,019
Grantham	Lincoln	8,731		10,711	370	52	11,133
Oakland	Brant	1,748	2,500	2,331		15	2,346
Onondaga	Brant	Report not received in time.					
Tiny	Simcoe	185	1,285	2,584		35	2,619
Toronto	Peel	39,636	15,114	52,926			52,926
Toronto Gore	Peel	1,799	1,514	2,385		13	2,398
Waterloo	Waterloo		12,267	12,267			12,267
Wellesley	Waterloo	1,122	4,166	6,051			6,051
Wilmot	Waterloo	832	4,437	4,618		22	4,640
Woodwich	Waterloo	Report not received in time.					
Urban Centres							
Hespeler	Waterloo	362	3,642	3,918		25	3,943
Pt. Dalhousie	Lincoln	1,947	3,838	4,841		84	4,925
Sarnia Suburban	Lambton	17,550	11,587		6,960	207	7,167
Windsor Suburban	Essex	31,460	18,544	47,383		634	48,017
Totals		\$165,687	\$167,607	\$255,622	\$11,927	\$1,708	\$269,257



Children's Library Club, Timmins



TABLE 38—NIGHT SCHOOL FINANCES

Calendar Year 1946

## A—VOCATIONAL

Centres	Receipts		Disbursements		
	Provincial Grant	Fees	Instruction	Other Costs	Total
Belleville.....	\$1,648	\$543	\$3,151	\$698	\$3,849
Chatham.....		1,026	5,850	n.r.	5,850
Cornwall.....		507	6,463	145	6,608
Fort William.....		914	7,189	3,133	10,322
Galt.....		378	3,010	91	3,101
Guelph.....		816	3,041	133	3,174
Hamilton.....	7,154	12,787	33,536	n.r.	33,536
Kingston.....		986	3,407	976	4,383
Kirkland Lake.....	4,699	420	6,930	569	7,499
Kitchener.....		2,817	5,236	n.r.	5,236
London.....		3,894	15,580	10,274	25,854
Niagara Falls.....	2,304	1,576	4,772	324	5,096
North Bay.....		588	3,063	2,180	5,243
Oshawa.....	3,701	1,572	5,499	n.r.	5,499
Ottawa—Commercial.....	5,643	743	10,779	603	11,382
Technical.....	7,577	388	13,355	305	13,660
Owen Sound.....		568	2,843	938	3,781
Peterboro.....		2,564	8,607	n.r.	8,607
Renfrew.....		102	1,104	50	1,154
St. Catharines.....	6,162	2,932	6,811	397	7,208
St. Thomas.....		324	2,318	n.r.	2,318
Sarnia.....	566	n.r.	4,710	n.r.	4,710
Sault Ste. Marie.....		701	4,075	n.r.	4,075
Simcoe.....		102	1,698	n.r.	1,698
Stamford.....			481	300	781
Sudbury.....		1,634	5,698	952	6,650
Timmins.....			3,458	200	3,658
Toronto—Commercial.....	5,653	12,865	24,640	5,175	29,815
Technical.....	28,513	41,590	101,120	27,590	128,710
Welland.....	2,317	1,116	3,458	346	3,804
Weston.....		1,244	5,448	467	5,915
Windsor.....		7,346	11,595	6,045	17,640
Totals.....	75,927	103,043	318,925	61,891	380,816
B. Senior Auxiliary Toronto—Jarvis.....	1,043		1,777	242	2,019
Grand Totals.....	\$76,970	\$103,043	\$320,702	\$62,133	\$382,835

## B—ACADEMIC

Centres	Receipts		Disbursements		
	Provincial Grant	Fees	Instruction	Other Costs	Total
Arnprior.....		\$167	\$1,150	n.r.	\$1,150
Beamsville.....			320	\$20	340
Belleville.....			218	n.r.	218
Brantford.....	\$2,498	1,330	3,825	1,245	5,070
Dunnville.....	337	94	725	152	877
Elora.....		66	256	41	300
Fort Frances.....	228	80	711	n.r.	711
Goderich.....			262	n.r.	262
Hamilton.....	604	4,675	4,362	n.r.	4,362
Kapuskasing.....			585	n.r.	585
Kenora.....			400	n.r.	400
New Liskeard.....			125	n.r.	125
Pembroke.....		60	1,668	14	1,682
Port Colborne.....	488	255	1,025	n.r.	1,025
Port Perry.....	403	87	240	n.r.	240
St. Mary's.....		119	n.r.		
Stratford.....	2,974	227	3,925	937	4,862
Stirling.....		28	60	n.r.	60
Toronto.....	1,639	5,256	10,313	2,643	12,956
Weston.....			246	n.r.	246
Woodstock.....		452	2,202	544	2,746
York—East.....	404	854	1,997	197	2,194
Totals.....	\$9,575	\$13,780	\$34,615	\$5,796	\$40,411



STATISTICS FOR LIBRARY OPERATIONS IN ONTARIO, 1945

TABLE 39—FREE PUBLIC LIBRARIES

Showing Statistics, 1945, and Legislative Grants Paid in 1946

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Certifi- cates of Librar- ianship	Amount Expended		Total Expenditure
							Earned	Paid in 1946		Salaries of Staff	Books	
1	Acton.....	1,967	678	6,457	11,419	5	\$99.00	\$67.38		\$380.00	\$309.02	\$992.20
2	Ailsa Craig.....	421	127	4,320	3,747	6	68.93	87.73		100.00	99.87	264.29
3	Almonte.....	2,250	804	6,996	18,893	12				133.00	525.08	1,115.21
4	Amherstburg.....	3,000	794	7,140	28,982	25	1,604.00	481.20		1,068.16	656.24	2,665.85
5	Annaprior.....	1,143	549	5,266	17,591	10	99.00	99.00		363.00	497.20	938.75
6	Arthur.....	922	148	4,150	7,276	7	201.67	90.28		100.00	205.58	517.23
7	Aurora.....	3,016	963	8,930	25,635	10	104.00	134.35		711.00	729.18	1,602.68
8	Aylmer.....	2,500	2,170	15,671	16,136	12	104.00	136.95		320.00	428.65	1,667.13
9	Ayr.....	731	430	5,118	6,534	18	32.67	68.06		175.00	82.60	619.07
10	Barrie.....	10,633	3,168	12,281	79,391	35	1,241.00	372.30	1	2,408.17	2,471.15	7,111.81
11	Beamsville.....	1,200	938	10,213	16,864	15	359.00	141.83		385.00	261.52	1,006.42
12	Beaverton.....	1,500	460	3,457	3,906	6	96.12	48.81		100.00	317.58	482.24
13	Becton.....	603	107	2,756	3,12	3 1/2	119.00	107.38		64.50	224.72	134.29
14	Belleville.....	15,962	9,355	18,714	97,033	57 1/2	409.00	209.00	2	2,979.32	2,536.07	8,101.51
15	Belmont.....	400	367	2,334	2,797	6	104.88	67.25		120.00	82.19	289.64
16	Blenheim.....	2,050	430	8,820	9,401	20 1/2	104.00	127.72		360.00	259.07	811.02
17	Bothwell.....	665	220	2,833	6,603	10 1/2	56.31	17.45		121.00	59.77	230.63
18	Bracebridge.....	2,686	1,178	6,582	21,525	25	349.00	134.26		810.00	342.31	1,930.06
19	Brantford.....	6,151	2,746	10,290	38,229	26 1/2	104.00	159.00		1,337.20	930.56	3,719.32
20	Brampton.....	35,312	14,398	44,969	193,235	59	1,009.00	302.70	2	8,377.28	6,655.19	19,716.86
21	Brighton.....	1,500	422	4,682	13,322	12	104.00	118.40		240.00	528.31	1,062.40
22	Brockville.....	11,077	8,460	26,791	75,081	42	973.00	291.90		3,233.10	1,538.10	7,627.21
23	Brussels.....	760	242	3,363	6,101	26	561.57	168.52		300.00	48.59	1,011.21
24	Burk's Falls.....	660	469	3,308	3,573	8	184.68	100.30		180.00	113.71	504.85
25	Campbellford.....	2,976	2,119	10,419	26,715	25	359.00	190.81	1	681.00	755.08	2,188.24
26	Cardinal.....	1,650	165	4,350	1,651	4	20.75	87.00		160.00	230.73	468.70
27	Carleton Place.....	4,239	650	7,277	14,769	20				640.00	265.17	1,160.78
28	Cayuga.....	700	69	2,689	1,790	6	56.95	34.25		60.00	129.46	192.14
29	Chatham.....	18,401	5,814	29,425	118,180	58	2,500.10	750.04	1	6,093.06	3,244.21	12,870.51
30	Chesley.....	1,591	404	6,738	14,181	9 1/2	274.00	135.61		403.63	369.89	1,076.33

TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open Week	Legislative Grant		Certi- ficates of Librar- ianship	Per Capita Rate		Amount Expended		Total Expenditure
							Earned	Paid in 1946				Salaries of Staff	Books	
31	Clifford	136		Library	destroyed	by fire in	1942	Re-opened in	1946			\$515.00	\$343.43	\$1,523.21
32	Clinton	2,050	525	11,382	10,659	27	\$104.00	\$198.89		48		1,225.02	1,225.02	5,087.87
33	Collingswood	7,027	2,300	15,325	35,235	30	501.00	151.20		56		1,457.50	939.58	3,770.30
34	Cornwall	15,465	3,247	15,531	50,790	45	109.00	150.12		20		1,875.00	138.02	227.22
35	Cornwall	631	121	927	1,583	5	63.83	69.14		39		55.50		
36	Delhi	2,242	253	4,085	7,127	12	99.67	107.85		31		313.50	219.40	891.41
37	Drayton	502	295	4,450	3,667	9½	154.34	71.66		61		295.00	99.38	156.10
38	Dresden	1,600	304	7,716	10,046	24½	217.07	136.75		50		390.00	189.21	906.56
39	Dryden	1,772	519	5,559	15,192	8	99.00	100.00		46		300.00	300.30	1,055.76
40	Dundas	5,851	3,096	11,140	45,493	25	709.00	212.70		68		1,823.56	592.31	1,511.62
41	Durham	1,976	698	8,229	16,387	12	314.00	128.15		53		360.03	450.56	1,058.18
42	East York Township			New	library. No annual report.									
43	Elmira	2,256	1,011	7,515	6,717	11	273.20	154.00		50		260.00	176.21	1,253.38
44	Elora	1,208	448	11,859	11,197	16	552.02	165.60		74		300.00	369.69	1,098.21
45	Erin	480	79	2,169	1,246	4	23.79	22.90		11		75.12	36.92	239.83
46	Essex	1,990	476	4,796	5,434	14	324.00	128.92		55		425.00	244.12	1,150.69
47	Exeter	1,875	1,010	4,869	15,016	15½	464.00	139.20		61		365.00	550.86	1,450.53
48	Fenelon Falls	1,000	431	4,234	8,100	1½	625.50	187.65		81		240.00	397.32	1,451.71
49	Fergus	2,649	934	7,459	16,584	20	104.00	102.52		49		585.00	461.06	2,039.58
50	Flesherton	420	110	2,117	2,139	7½	112.32	95.63		41		75.12	188.14	296.88
51	Fonthill	1,000	651	9,580	4,227	7	195.20	134.25		50		250.00	180.17	664.93
52	Forest	1,680	308	3,627	19,021	22	294.00	129.50		56		167.10	341.62	1,235.22
53	Fort Erie, Main Branch	6,938	4,574	13,925	28,961	20	208.00	284.24		43		1,770.00	1,213.48	3,637.35
54	Fort Erie, Branch			Included in figures for Main Library.										
55	Fort Frances	5,597	3,205	6,078	22,493	27½	650.00	195.00		65		1,216.70	1,032.11	3,062.40
56	Fort William, Main Branch	31,000	16,137	49,684	181,315	63½	3,044.31	913.29	5	65		11,278.24	3,056.92	22,087.29
57	Fort William, Branch			Included in figures for Main Library.										
58	Galt	11,958	4,198	17,424	69,703	61	1,544.88	454.46	2	60		3,804.12	2,096.57	10,137.70
59	Gananoque	4,138	2,160	8,673	18,024	32	444.00	154.00		54		1,264.50	759.69	2,324.35
60	Georgetown	2,600	1,105	6,289	11,956	13½	318.78	108.32		57		374.00	264.88	1,240.36
61	Gerraldton			New	library. No annual report.									
62	Glencoe	764	396	5,111	12,013	45	261.50	122.40		67		300.00	231.56	838.09
63	Godrich	1,800	2,281	8,886	21,958	30	979.00	293.70	1	52		1,201.69	531.44	2,837.75

TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Certifi- cates of Librar- ianship	Per Capita Rate	Amount Expended		Total Expenditure
							Earned	Paid in 1946			Salaries of Staff	Books	
64	Gore Bay .....	600	200	1,872	1,591	6½	\$65.94	\$79.72			\$102.00	\$119.36	\$298.06
65	Grand Valley .....	714	111	3,921	3,032	8	494.00	118.20		99	360.00	46.85	952.48
66	Gravenhurst .....	2,000	841	4,666	21,978	8	380.80	114.24		67	330.04	484.27	1,480.31
67	Grimshy .....	2,107	1,603	7,143	39,474	27½		143.92		66	850.50	615.11	2,441.27
68	Guelph .....	23,245	9,112	40,070	204,459	57	1,301.00	391.20		52	7,531.86	2,480.26	12,923.77
69	Hagersville .....	1,471	352	4,176	8,825	11	95.62	137.12		47	262.00	232.40	785.84
70	Haileybury .....	1,896	714	4,598	9,205	18½	299.10	89.82		51	324.00	258.50	1,707.53
71	Hamilton, Main .....	178,686	38,388	185,070	823,936	66	18,220.40	5,718.12	26	57	58,527.54	18,870.11	111,284.78
72	Barton Branch .....												
73	Kenilworth .....												
74	Locke Branch .....												
75	Mountain Branch .....												
76	Hanover .....	3,350	1,600	6,582	17,352	28½	104.00	146.22		32	675.00	697.25	1,576.72
77	Harriston .....	1,290	972	7,556	25,438	35½	604.00	181.20		77	585.00	296.84	1,267.25
78	Hensall .....	618	205	3,725	5,611	12	335.65	124.62		75	148.00	338.54	704.38
79	Hespeler .....	2,960	1,454	7,587	23,338	16	985.60	295.68		74	749.96	608.95	2,340.10
80	Hillsburgh .....	400	210	3,039	3,405	9	76.91	54.59		56	96.00	60.38	212.45
81	Ignace .....	286	44	996	1,778	1	26.50	9.00					52.88
82	Ingersoll .....	5,700	2,635	11,028	48,837	31¼	406.69	154.00		53	1,232.00	1,266.94	3,552.76
83	Kempville .....	1,225	823	4,026	8,050	14	104.00	110.24		45	260.00	236.51	669.45
84	Kenora .....	7,760	3,672	9,136	47,217	33	529.00	159.00	1	54	1,476.84	1,138.80	4,706.88
85	Kincardine .....	2,373	824	5,342	16,508	16½	104.00	89.46		49	400.00	401.80	1,356.59
86	Kingston .....	33,215	15,600	40,463	231,138	66	1,487.00	1,346.00	5	56	12,576.88	4,753.77	22,305.19
87	Kingsville .....	2,400	759	7,710	10,816	20	416.00	144.28		65	559.25	1,055.66	2,212.76
88	Kitchener .....	37,890	10,866	52,767	258,823	58	3,616.82	785.34	5	58	10,886.74	6,273.76	24,773.36
89	Lakefield .....	1,373	468	4,027	8,769	6	109.00	140.00		39	250.00	455.19	809.45
90	Lanark .....	676	270	3,430	7,013	4	68.07	82.47		29	120.00	117.19	310.08
91	Leamington .....	6,100	1,504	12,205	23,159	30	104.00	143.25		45	1,200.75	971.27	3,255.18
92	Leaside .....	10,000	4,801	4,250	12,522	33	3,018.33	905.19	2	76	2,692.69	3,197.14	8,138.75
93	Lindsay .....	7,888	3,247	19,653	50,922	33	559.00	209.00		57	2,032.13	1,660.64	5,295.61
94	Lastowel .....	3,000	1,015	8,585	21,552	25	104.00	125.03		40	645.00	621.03	1,571.29
95	Little Britain .....	250	72	3,784	2,680	67	78.30	43.95		50	10.00	45.23	218.58



TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Certi- ficates of Librar- ianship	Amount Expended		Total Expenditure
							Earned	Paid in 1946		Salaries of Staff	Books	
129	Orillia .....	10,000	5,133	12,724	62,858	35	\$1,159.13	\$347.73	1	\$3,712.14	\$1,389.73	\$7,024.90
130	Oshawa .....	26,661	12,992	23,992	128,818	58	2,801.00	858.30	3	6,710.84	5,132.04	14,824.99
131	Ottawa .....	163,403	33,914	195,933	199,446	67	14,335.81	4,300.74	18	38,702.74	11,924.45	93,491.40
132	Boys' and Girls' House .....											
133	Bronson Branch .....											
134	New Edinburgh Branch .....											
135	Rideau Branch .....											
136	South Branch .....											
137	West Branch .....											
138	Otterville .....	2,127	108	1,793	1,964	15	53.68	45.45	11	129.00	112.00	367.48
139	Owen Sound .....	14,090	3,772	25,479	107,801	50	859.00	257.00	2	3,368.00	2,154.34	8,150.22
140	Paisley .....	597	241	3,765	3,688	10½	138.38	49.39	50	312.06	91.89	493.98
141	Palmerston .....	1,434	611	4,153	7,490	25½	1,110.88	333.26	107	1,110.88	302.86	2,062.61
142	Paris .....	4,639	1,523	11,361	31,664	31	109.00	200.00	47	1,036.30	716.25	2,684.64
143	Parkhill .....	900	744	3,389	13,896	12	235.68	93.95	58	238.50	192.32	830.06
144	Parry Sound .....	4,574	1,336	9,271	31,362	20	442.05	132.61	50	1,030.00	1,158.96	2,826.31
145	Pembroke .....	12,300	1,373	14,500	34,164	28½	604.00	204.00	1	1,757.00	1,268.54	5,000.65
146	Penetanguishene .....	4,000	917	10,117	18,913	12	104.00	104.88	37	475.00	204.43	1,012.09
147	Perth .....	4,285	1,366	7,837	37,675	33	488.87	159.00	59	1,086.36	888.67	3,296.25
148	Peterborough .....	33,000	6,303	42,982	157,653	72	2,515.40	754.62	3	11,027.81	3,802.16	17,649.31
149	Petrolia .....	2,801	1,309	3,397	13,747	25	104.00	127.02	32	364.00	436.28	1,163.76
150	Pictou .....	3,542	2,400	10,696	34,380	37½	2,116.00	634.80	94	1,681.25	711.90	3,991.07
151	Porcupine Dome .....	4,500	1,130	6,483	20,669	18½	104.00	108.95	42	920.50	613.02	1,893.52
152	Port Arthur .....	26,544	6,308	22,996	149,977	72	1,709.00	512.70	2	1,709.00	2,985.18	16,520.27
153	Port Carling .....	600	116	2,431	4,608	8	200.66	76.61	64	225.00	147.71	474.82
154	Port Colborne .....	7,251	1,815	5,458	26,842	27½	109.00	157.85	37	1,439.50	682.97	3,044.22
155	Port Elgin .....	1,460	863	6,210	7,114	15	362.52	108.75	67	385.00	263.09	1,189.33
156	Port Hope .....	4,900	2,059	12,846	22,395	40	104.00	201.87	38	1,042.50	261.27	2,998.49
157	Port Perry .....	1,278	440	4,237	9,927	12	218.84	100.05	56	208.00	181.38	1,107.61
158	Port Rowan .....	632	188	3,473	5,346	6	118.06	124.15	47	100.00	175.51	473.28
159	Prescott .....	3,194	1,230	14,387	24,071	13	313.55	204.00	50	767.50	169.32	1,685.71
160	Preston .....	6,920	2,239	10,747	55,652	36	437.60	159.00	50	1,190.00	853.72	3,688.63
161	Renfrew .....	5,781	2,000	17,517	32,753	27½	402.50	159.00	50	1,389.76	806.18	3,119.71
162	Richmond Hill .....	1,507	1,560	5,491	8,549	7	104.00	118.94	33	243.00	318.10	700.67

Included in figures for Main Library.



TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Certi- ficates of Librar- ianship	Per Capita Rate	Amount Expended		Total Expenditure
							Earned	Paid in 1946			Salaries of Staff	Books	
163	Rittenhouse (Vineand Station)	500	250	2,379	1,982	2	\$103.82	\$132.37		30	\$9.80	\$183.27	\$248.15
164	Rosseau			Library organized in 1946.									
165	St. Catharines	35,253	10,400	45,390	187,496	63	3,416.04	1,024.81	1	66	10,851.59	3,614.14	29,629.72
166	St. Edmunds Township. (Tobermory)	498	300	2,323	1,631	4	48.60	18.49		25	81.36	52.27	376.87
167	St. Jacobs	610	212	2,466	5,024	8	49.20	58.32		49	188.00	85.74	1,689.91
168	St. Josephs Township (Richards Landing)			No annual report for 1945.									
169	St. Marys	1,017	2,825	7,147	23,186	24½	104.00	154.00		42	970.00	426.63	1,771.17
170	St. Thomas	18,410	6,511	36,854	139,171	61	3,775.94	1,132.78	3	72	6,333.03	3,783.03	16,071.44
171	Saltfleet Township (Stoney Creek)	9,252	1,975	9,982	31,862	27½	99.00	145.66		16	560.00	544.77	1,762.70
172	Sarnia	20,503	9,300	32,492	174,032	66	5,700.00	1,712.70	1	75	7,903.08	3,981.85	17,543.17
173	Sault Ste. Marie	28,893	9,803	22,328	111,483	63½	2,314.00	694.20	1	55	7,660.25	6,451.03	18,120.13
174	West End Branch			Included in figures for Main Library.									
175	Schreiber	1,485	312	1,529	8,624	59	87.04	153.41		26	150.00	182.28	180.12
176	Schumacher	3,321		1,100	Opened Jan. 16,		1,100.00	330.00		75	50.00	1,016.23	1,894.28
177	Seabrook	1,800	309	4,014	8,813	25	171.55	141.46		68	570.04	278.41	1,425.74
178	Shelburne	1,032	337	8,201	7,884	12	314.00	114.27		68	200.00	241.65	915.41
179	Simcoe	6,063	3,736	16,016	38,449	27½	429.00	154.00		53	1,778.31	1,507.14	4,485.77
180	Smiths Falls	8,000	2,985	8,578	28,995	33	509.00	159.00		50	1,281.75	1,473.72	3,969.81
181	South River	1,000	297	1,551	3,061	2	41.30	29.88		12		76.47	155.42
182	Southampton	1,616	379	1,437	5,697	6	259.00	77.70		50	200.00	324.74	1,165.11
183	Springfield	409	186	2,502	3,621	6	78.32	50.02		31	100.00	93.76	251.62
184	Stayner	1,000	257	2,250	5,492	14	199.00	59.70		50	160.00	267.20	700.20
185	Stirling	1,007	299	6,346	10,988	17	104.00	129.15		45	125.00	204.79	931.55
186	Stouffville	1,310	450	6,519	9,167	16½	104.00	31.20		15	365.00	246.30	873.75
187	Stratford	17,413	5,199	30,193	108,671	58	2,102.26	603.67	2	51	3,977.39	2,183.77	10,462.72
188	Strathroy	3,105	686	6,576	17,591	27	104.00	44.86		32	839.77	334.38	4,708.33
189	Streetsville	697	313	3,721	8,913	8	138.69	44.42		50	247.50	153.64	942.51
190	Sudbury	32,203	7,503	19,646	138,262	44	2,278.15	638.44	2	51	5,867.61	5,632.03	18,599.98
191	Sudridge			No annual report for 1945.									
192	Sutton West	900	676	5,273	7,201	5	119.00	60.79		44	110.00	200.73	554.72
193	Swansea	6,907		1,468	12,601	6	99.00	99.00		14	548.00	100.00	1,147.70

TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Population	Borrowers	Volumes in Library	Circulation	Hours Library Open per Week	Legislative Grant		Certificates of Librarianship	Per Capita Rate		Amount Expended		Total Expenditure
							Earned	Paid in 1946				Salaries of Staff	Books	
194	Tara .....	525	130	3,260	2,843	12	\$132.03	\$43.83	.....	57		\$176.00	\$75.77	\$399.35
195	Tavistock .....	1,166	329	6,882	5,991	20	519.26	152.77	.....	75		265.00	179.89	1,456.65
196	Teeswater .....	854	183	7,072	5,240	20	381.23	123.58	.....	75		241.50	202.60	927.41
197	Thamesville .....	780	366	4,810	8,266	19½	179.76	70.30	.....	51		306.25	263.81	663.04
198	Thorold .....	5,000	816	9,658	14,486	27½	563.30	168.99	.....	61		1,365.00	295.79	3,013.31
199	Tilbury .....	2,073	540	4,488	16,408	18	1,129.30	338.79	.....	82		727.50	708.66	1,828.25
200	Tillsonburg .....	4,064	1,505	6,703	28,210	30½	109.00	152.17	.....	46		1,127.96	653.90	2,859.44
201	Timmins .....	25,856	8,709	21,888	162,389	50	604.00	204.00	2	45		6,781.68	3,859.43	14,305.76
202	Toronto, Main .....	676,887	216,117	692,730	3,636,864	72	50,000.00	15,000.00	.....	91		333,712.72	88,793.68	700,887.76
203	Beaches Branch .....													
204	Bloor and Gladstone .....													
205	Boys' and Girls' House .....													
206	Danforth .....													
207	Deer Park .....													
208	Downtown .....													
209	Earls Court .....													
210	Eastern .....													
211	Exhibition Park .....													
212	Gerrard .....													
213	High Park .....													
214	Northern .....													
215	Queen and Lisgar .....													
216	Riverdale .....													
217	Runnymede .....													
218	Western .....													
219	Wynwood .....													
220	Yorkville .....													
221	Trenton .....	9,920	4,497	16,231	39,369	25	104.00	154.00	.....	40		1,849.96	1,905.88	1,819.10

Included in figures for Main Library.

TABLE 39—FREE PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Certi- ficates of Librar- ianship	Per Capita Rate	Amount Expended		Total Expenditure
							Earned	Paid in 1946			Salaries of Staff	Books	
222	Unbridge	1,425	439	7,571	14,027	12	\$109.00	\$123.52	.....	35	\$60.00	\$246.77	\$971.69
223	Walkerton	2,800	734	11,911	29,587	20	355.25	133.85	.....	59	1,000.00	604.50	2,271.53
224	Wallaceburg	5,631	1,614	8,361	29,163	58½	630.79	189.23	.....	62	1,411.18	799.78	3,380.50
225	Waterford	1,300	590	3,427	6,629	11½	227.14	99.00	.....	50	300.00	223.92	1,221.83
226	Watloo	9,903	3,160	17,280	19,404	30	1,138.37	311.51	2	51	2,716.50	1,260.91	5,770.81
227	Watford	983	180	5,203	19,117	22	284.00	123.75	.....	61	300.00	232.87	906.31
228	Welland	15,071	5,131	13,609	87,888	66	1,797.00	539.10	2	59	4,134.37	1,988.83	8,317.01
229	Weston	6,337	5,295	10,647	68,557	25	1,204.00	361.20	1	63	2,100.00	691.57	4,193.81
230	Westport	.....	.....	Library organized in 1946.	.....	.....	.....	.....	.....	.....	.....	.....	.....
231	Whitby	1,634	2,351	8,032	27,422	25	517.21	155.16	.....	59	711.35	1,123.89	2,763.00
232	Whitney	.....	.....	Library organized in 1946.	.....	.....	.....	.....	.....	.....	.....	.....	.....
233	Windsor	119,661	23,112	113,372	501,420	72	11,367.20	4,310.16	12	65	53,267.67	12,039.70	86,191.91
234	Hugh Besant Branch	.....	.....	Included in total		figure.	.....	.....	.....	.....	.....	.....	.....
235	J. E. Benson Memorial	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
236	John Richardson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
237	Prince Edward	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
238	Sandwich	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
239	Victoria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
240	Willstead	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
241	Wingham	2,153	912	9,096	5,927	25	284.00	119.62	.....	56	852.00	331.20	1,625.77
242	Woodstock	13,024	3,077	23,403	73,203	66	1,260.05	378.00	1	50	2,998.10	2,118.77	7,979.86
243	York Township	82,753	7,541	6,353	50,297	33	609.00	182.70	1	17	3,012.00	5,151.91	13,756.65
244	Mount Dennis Branch	.....	.....	Included in figure	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total	2,346,038	729,532	3,165,617	12,116,128	.....	\$213,499.17	\$76,675.17	.....	.....	\$799,310.81	\$22,517.00	\$1,750,130.15

TABLE 39—ASSOCIATION PUBLIC LIBRARIES  
Showing Statistics, 1945, and Legislative Grants Paid in 1946

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
1	Aguineourt.....	500	76	5,218	4,914	3	\$206.50	\$120.55	\$75.40	\$25.00		\$293.12	\$394.12
2	Allenford.....	200	51	747	1,519	67	53.55	31.80	22.75	13.00	\$30.00	25.18	102.99
3	*Alliston.....	1,600	103	6,457	5,149	9	170.00	170.00	76.78	150.00	156.12		210.85
4	Alton.....	500	41	3,630	1,122	3½	39.00	21.50	19.30	22.00	26.00		81.38
5	Alvinston.....	645	110	1,853	4,116	11½	214.08	64.22	102.80	100.00	120.00	80.94	127.63
6	Apple Hill.....	450	49	1,382	1,054	2	40.93	17.85	22.14	17.85		22.11	35.77
7	Arkona.....	400	50	3,794	3,163	3½	160.45	74.04	51.15	75.00	50.00	98.98	241.53
8	Athens.....	700	160	5,915	3,318	3	136.18	70.87	50.06	25.00	52.00	110.99	197.13
9	Atwood.....	1,000	121	1,155	1,488	78	109.14	69.51	46.00	25.00	65.00	72.93	170.93
10	Auburn.....	250	40	2,281	1,687	4	56.00	16.80	23.50	35.00	38.00		92.21
11	Avonmore.....			Organized in 1946.									
12	Baneroft.....	1,140	266	5,254	9,881	8	304.83	91.11	141.15	150.00	180.00	115.46	344.04
13	Barwick.....	900	22	253	211	2	46.93	96.93	34.00			32.61	38.51
14	Bayfield.....	300	119	2,421	3,117	60	124.41	37.61	64.75	55.00	132.19	39.09	241.59
15	Bayham.....	125	42	910	577	66	41.46	29.60	8.75	25.00	35.00	43.13	106.60
16	Baysville.....	360	60	2,190	2,070	2	83.53	53.20	15.00	25.00	40.00	87.36	137.95
17	Beachville.....	500	34	3,706	1,311	4	66.67	34.33	8.90	70.00	52.00	28.97	101.15
18	Beechwood.....	700	32	2,790	853	54	31.00	9.30	12.10	20.00	25.00		39.50
19	Belgrave.....			Organized in 1946.									
20	Belmore.....	150	38	640	875	40	49.23	25.47	4.20	40.00	15.00	51.57	90.05
21	Blind River.....	1,880	158	3,648	5,689	4	183.81	55.14	71.33	100.00	10.00	152.21	279.12
22	Bloomfield.....	653	87	3,980	6,066	9½	289.50	114.82	84.55	275.00	153.00	347.44	638.00
23	Blyth.....	715	85	735	2,040	14	51.25	15.37	15.50	50.00			71.20
24	Bobcaygeon.....	977	286	6,908	11,954	10	307.00	147.25	135.80	135.00	125.00	186.66	517.73
25	Bolton.....	625	55	3,935	2,165	2½	61.50	18.45	39.25	25.00	35.00		69.84
26	Bond Head.....	200	33	977	523	19	28.07	10.00	7.75	20.00	25.00		47.06
27	Bowmanville.....	4,000	623	9,203	16,617	34	104.00	143.65	265.71	700.00	821.50	332.00	1,250.90
28	Bradford.....	1,000	134	3,052	4,218	8	94.72	34.17	42.25	25.00	75.00	93.92	253.26
29	Brigden.....	500	55	949	6,208	6	76.03	44.90	18.60	35.00	49.74	42.91	131.59
30	Bronte.....	600	21	1,800	5,600	2	87.97	47.99	21.75	35.00	15.00	117.05	137.33
31	Brooklin.....	600	70	3,514	1,951	8	95.49	28.64	30.75	75.00	100.00	36.62	117.81
32	Brougham.....	200	33	1,344	720	72	73.52	25.07	10.00	70.00	110.14	62.51	110.14
33	Brownsville.....	250	135	3,396	4,669	4	124.92	36.57	77.05	50.00	72.00	11.85	150.86
34	Brucefield.....	300	32	1,966	446	19	44.00	13.20	11.00	35.00	15.00		70.00
35	Burgessville.....	200	49	2,106	1,152	4	77.17	23.15	27.00	70.00	39.00		139.62

\*Became Free Library in 1946.





TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
70	Depot Harbour			No annual report for 1945.									
71	Dorchester	500	86	4,205	4,014	12	\$132.78	\$39.83	\$46.35	\$130.00	\$100.00	\$51.53	\$157.17
72	Drumbo	300	48	5,498	1,292	6	93.25	27.97	27.91	100.00	50.00		122.46
73	*Dundalk	700	75	2,577	1,801	16	107.00	43.67	41.80	100.00	100.00		122.00
74	Dungannon	500	41	1,700	3,634	52½	104.39	43.49	35.00	25.00	60.00	76.46	203.55
75	Dunneville	4,220	388	10,133	14,001	17¾	394.00	118.20	195.00	600.00	302.00	280.48	937.91
76	Dutton	800	190	5,840	11,032	10	263.92	104.00	65.00	399.85	265.00	179.84	676.01
77	Eastview	12,000	301	2,445	4,874	6	154.50	103.14	34.55			247.14	357.95
78	Elmwood	250	74	2,912	1,109	4½	73.95	32.07	9.50	70.00	30.00	42.63	125.81
79	Embo	430	51	4,453	2,689	4	124.70	37.10	31.25	95.00	75.00	93.36	231.21
80	Embrun	2,100	260	362	2,016	3½	76.14	23.84			104.00	154.70	296.40
81	Enno	700	30	891	592	8	60.22	42.52	17.55	15.00	75.00	69.16	150.43
82	Englehart	1,350	30	1,670	3,870	3	70.50	42.60	30.00	10.00	6.00	55.63	61.53
83	Ennotville	600	54	4,895	359	2	80.67	38.39	12.50	50.00	50.00	71.31	176.40
84	Espanola	2,500	70	5,370	2,217	2	25.34	20.54	13.60		50.00	30.74	85.59
85	Ethel	300	52	729	906	3	68.63	68.87	20.30	55.00	60.00		108.54
86	Fenwick	800	81	1,778	5,061	5	182.35	54.70	68.00	70.00		123.20	195.72
87	Flinton	408	48	435	834	54	78.47	24.11	12.00	50.00		74.07	81.31
88	Forndwich	250	69	728	2,820	8	71.39	21.41	42.15	25.00	48.12		100.88
89	Forester's Falls	550	27	2,170	666	45½	40.46	12.13	12.25	25.00	50.00	17.00	68.78
90	Frankford	1,200	550	1,700	7,537	9	193.31	57.69	50.00	275.00	162.00	71.66	377.51
91	Glamis	75	32	1,096	677	8	37.05	11.11	16.00	15.00	30.00	13.11	75.70
92	Glanworth	200	33	1,757	2,417	7	89.15	43.35	20.50	60.00	35.00	54.31	149.99
93	Glen Morris	200	56	3,070	761	72	64.57	32.21	15.00	50.00	50.00	37.12	277.91
94	Glenallen	350	34	1,270	2,357	54	26.12	11.50	8.50	15.00	20.00		20.28
95	Goodwood	358	42	1,624	1,268	1½	53.43	29.31	10.30	35.00		37.48	50.88
96	Core's Landing	200	106	2,273	1,093	1½	143.21	42.96	32.75	25.00		167.92	179.14
97	Grafton	200	33	2,994	1,587	8	71.82	22.14	35.00	30.00		28.99	88.59
98	Granton	450	61	1,861	3,280	57	55.68	22.94	30.85	10.00	10.00	20.36	85.81
99	Haliburton			Re-org in 1946.			report for 1945.						
100	Harrietsville	60	52	3,326	838	59	101.47	30.41	26.00	85.00	40.00	50.03	108.34
101	Harrington		20	2,916	225	54	42.00	12.60	7.00	50.00	40.00		50.84
102	Harrow	1,200	158	3,611	10,990	9½	295.50	91.44	90.50	500.00	190.00	384.38	784.92

\*Became Free Library in 1946.

TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
103	Harrowsmith	325	39	1,965	2,585	2	\$55.21	\$16.56	\$34.60	\$15.00		\$9.00	\$67.48
104	Havelock	1,300	50	654	1,445	4	37.50	11.25	27.50			44.16	44.16
105	Hawkesbury	6,375	137	2,963	9,441	12	233.50	134.55	83.80	50.00	\$17.00	220.21	362.33
106	Hepworth	260	50	1,245	909	11½	60.75	18.22	23.75	30.00	100.00	20.13	127.98
107	Hickson	225	150	3,142	2,063	6	104.00	34.85	27.75	75.00	25.00	50.00	145.56
108	Hillgate	350	117	3,317	4,845	15	178.35	89.35	63.00	60.00	75.00	146.77	300.17
109	Highland Creek	830	33	1,022	1,538	1	45.80	13.74	16.50	25.00	10.00	67.35	83.35
110	Hilton Beach	300	95	2,522	2,481	6	52.42	15.72	36.60		78.00	21.42	139.02
111	Holstein	250	48	2,196	1,776	66	46.77	29.75	29.75		40.00	26.17	68.66
112	Honeywood	100	10	2,163	175	2½	27.25	23.90	5.65	10.00	12.50		16.00
113	Howick Township	2,900	130	2,365	11,386	4	95.52	31.94		100.00		160.73	174.47
114	*Humber Bay	3,500	73	2,291	2,354	2	64.01	45.19	32.30			50.16	63.33
115	Huntsville	2,850	239	2,706	11,240	12½	104.00	128.00	251.05	700.00	360.00	420.56	1,283.77
116	Hyde Park	200	32	316	1,330	60	38.54	11.56	9.00	10.00	10.00	31.92	60.12
117	Hyndford	400	76	2,137	3,094	19	65.76	52.35	24.00			35.52	142.27
118	Iderton			No annual report for 1945.									
119	Ingleswood	300	53	2,013	2,515	2	45.33	22.40	25.25	7.00		38.43	69.50
120	Inwood	200	40	1,932	2,695	8	144.04	43.21	59.00	65.00	75.15	66.99	267.83
121	Ironquois	975	54	3,326	1,336	5	147.86	44.35	56.50	100.00	100.00	105.53	218.54
122	Iroquois Falls	1,150	192	6,410	7,064	7½	315.00	94.50	115.30	500.00	234.00	377.01	750.08
123	Ivanhoe			No annual report for 1945.									
124	Jarvis	600	84	4,559	2,081	6	89.50	26.85	50.60	50.00		47.39	108.02
125	Kemble			No annual report for 1945.									
126	Kimberley			No annual report for 1945.									
127	King City			Library organized in 1946.									
128	Kinsale	100	30	1,542	249	2	52.50	20.88	7.50	70.00	5.00		11.82
129	Kintore	2,204	54	3,507	3,545	74	88.39	70.21	19.75	62.00	70.00	46.13	162.31
130	Kirkfield	200	36	2,676	1,080	2	79.04	56.95	26.28	25.00		87.71	103.87
131	Kirkland Lake	18,000	1,051	10,382	77,294	66	409.00	150.69	1,285.80	5,500.00	3,425.21	2,090.19	7,925.38
132	Kirkton	150	65	1,934	3,083	27	124.27	76.12	41.80	45.00		95.00	449.27
133	Komoka	200	33	2,033	1,174	72	42.23	14.00	21.25	20.00	60.00		134.44

\*Became Free Library in 1946.

TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	For- rowers	Volumes in Library	Circula- tion	Hours Library Open Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1916			Salaries of Staff	Books	
134	Lakeside.....	1,000	46	2,246	5,293	78	\$132.70	\$61.56	\$40.00	\$62.00	\$75.00	\$87.18	\$181.90
135	Lambeth.....	500	45	2,411	5,910	8	94.63	78.29	15.79	80.00	60.00	29.27	195.24
136	Larder Lake.....	1,600	110	606	1,902	8	355.50	106.65	136.50	200.00	.....	260.78	386.69
137	Lefroy.....	400	32	2,030	1,438	4	35.50	10.65	18.00	15.00	18.00	16.11	43.00
138	Linwood.....	500	60	1,252	2,744	5	59.92	21.68	18.40	25.00	13.00	.....	105.14
139	Londeshoro.....	150	30	515	456	51	42.07	11.80	13.20	40.00	25.00	.....	51.89
140	Lorne Park.....	1,025	73	2,213	1,830	2	38.25	11.17	10.85	30.00	25.77	.50	59.51
141	Lucan.....	600	133	2,288	8,711	6	208.40	90.59	34.00	210.00	180.00	108.45	354.93
142	Madoc.....	1,200	76	4,864	2,583	8	225.60	67.68	99.80	225.00	125.00	153.25	130.92
143	Mandamun.....	400	48	2,553	4,112	31 <sup>2</sup>	136.30	60.93	45.50	75.00	75.00	75.06	223.21
144	Manilla.....	160	71	6,805	1,071	19	112.22	57.18	16.80	85.00	85.00	71.92	207.31
145	Manitowaning.....	250	100	664	1,031	6	90.47	27.11	40.00	35.00	.....	50.65	119.15
146	Manotick.....	700	83	1,590	2,650	2	117.15	12.52	57.75	35.00	.....	111.30	175.50
147	Markham.....	1,100	115	5,455	6,447	6	311.00	93.30	112.00	350.00	123.70	307.18	665.39
148	Marmora.....	1,000	91	5,251	11,751	12	276.80	110.15	84.50	325.00	255.00	214.02	671.89
149	Martintown.....	500	14	1,613	345	4	24.50	25.00	11.50	.....	.....	.....	16.65
150	Melbourne.....	250	69	930	1,942	8	105.79	50.00	35.80	40.00	40.12	67.58	186.90
151	Merlin.....	500	118	1,080	2,710	7	155.74	16.72	55.00	150.00	120.18	.....	289.05
152	Millgrove.....	180	37	1,168	670	2	30.19	26.00	9.25	.....	15.00	29.83	53.56
153	Minden.....	400	32	1,478	1,159	2	63.15	29.83	19.00	60.00	24.00	4.75	43.80
154	Minesing.....	250	35	151	618	23 <sup>4</sup>	50.41	60.00	10.00	.....	25.00	47.49	111.65
155	Monkton.....	400	30	1,860	950	4	31.50	11.92	9.15	25.00	50.00	.....	59.62
156	Monro Road.....	105	42	3,283	2,000	4	72.27	21.68	29.00	10.00	30.00	55.00	186.35
157	Morrisburg.....	1,810	157	5,420	7,689	8	250.95	75.28	123.50	350.00	100.00	152.98	613.21
158	Morrison.....	255	49	1,684	919	59	40.48	12.45	21.10	.....	50.00	52.15	113.18
159	Mount Albert.....	350	78	2,427	4,253	101 <sup>2</sup>	141.10	43.12	27.40	70.00	50.00	152.07	291.80
160	Mount Brydges.....	.....	.....	No report for 1915.	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	Mount Elgin.....	140	45	1,532	1,815	4	88.27	26.48	10.30	50.00	25.00	50.00	135.00
162	Napanee.....	3,116	461	9,849	23,530	23 <sup>1</sup> <sub>2</sub>	404.00	151.00	152.50	1,250.00	739.00	696.28	2,001.21
163	Napier.....	.....	.....	No annual report for 1915.	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	New Dundee.....	375	66	1,740	2,789	64 <sup>1</sup> <sub>2</sub>	36.50	20.20	10.00	35.00	50.00	.....	72.35
165	New Lowell.....	200	30	1,637	369	2	21.50	9.00	7.50	10.00	12.50	.....	19.80
166	Newburgh.....	130	25	2,728	3,700	4	84.35	25.30	25.00	75.00	50.00	71.95	131.50
167	Newbury.....	226	70	2,655	2,428	21 <sup>2</sup> <sub>2</sub>	144.44	57.31	24.75	20.00	.....	183.93	219.83

TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
168	Newington.....	200	31	3,304	1,108	2	\$29.50	\$9.00	\$19.50	.....	\$35.00	\$19.69	\$103.14
169	Norland.....	420	150	3,998	1,911	72	43.87	17.37	9.50	\$30.00	20.00	17.93	52.12
170	North Gower.....	350	73	1,155	3,365	24	73.45	36.21	36.50	10.00	50.00	43.25	102.24
171	Odessa.....	800	30	1,667	1,380	67	85.43	28.75	9.75	100.00	75.00	.....	119.51
172	Onemee.....	600	52	2,366	1,935	4	139.31	54.60	61.40	95.00	100.00	37.86	216.33
173	Orono.....	650	32	2,051	1,278	4	55.00	16.50	33.35	15.00	.....	29.07	59.34
174	Osgoode.....	350	72	1,817	4,241	2	51.37	15.41	29.00	15.00	.....	45.40	62.98
175	Park Head.....	170	33	1,321	942	63	30.22	11.99	12.35	15.00	35.00	15.15	63.49
176	Pickering.....	750	110	3,688	5,405	7	178.11	88.68	52.65	95.00	60.00	193.63	385.31
177	Pinkerton.....	200	45	1,725	340	2	36.35	10.90	11.25	30.00	25.00	.....	.....
178	Plantaganet.....	.....	.....	Organized in 1946.	.....	.....	.....	.....	.....	.....	.....	.....	.....
179	Plattsville.....	500	58	1,231	1,648	12	97.26	29.17	17.95	125.00	99.16	11.30	130.46
180	Plympton.....	500	30	1,961	1,648	3	88.31	27.89	40.25	50.00	52.00	18.39	112.55
181	Point Edward.....	1,200	59	4,695	4,157	3	154.41	46.32	29.50	125.00	60.00	82.54	171.39
182	Port Burwell.....	700	55	422	1,043	6	123.89	37.16	28.25	125.00	75.00	48.92	176.65
183	Port Credit.....	2,275	421	6,721	7,502	5	229.49	68.84	91.49	130.00	187.50	102.23	349.10
184	Port Dover.....	1,950	379	5,444	10,063	26	405.00	137.97	316.00	200.00	250.00	274.80	658.80
185	Port Lambton.....	1,000	43	1,096	1,414	44	59.34	33.86	14.85	35.00	.....	26.52	119.65
186	Port Stanley.....	800	214	4,183	7,394	16½	284.40	85.35	116.35	450.00	200.00	294.06	652.25
187	Powassan.....	713	58	2,971	3,277	8	145.20	63.40	60.00	50.00	75.00	129.71	236.10
188	Princeton.....	352	38	2,422	4,350	8	220.32	66.09	51.10	200.00	130.00	90.19	363.02
189	Queensville.....	300	33	2,091	766	3	31.48	26.74	5.05	20.00	23.75	36.11	69.12
190	Rebecca.....	300	65	1,229	4,115	75	74.10	49.04	13.50	30.00	20.00	104.96	150.29
191	Ridgetown.....	1,998	161	5,629	10,116	12	344.29	141.15	152.00	505.00	300.00	317.22	728.26
192	Ridgeway.....	1,200	294	3,341	5,047	6	253.00	108.07	51.45	400.00	220.00	233.85	628.39
193	Ripley.....	250	34	500	300	15	87.95	30.58	42.50	30.00	30.00	171.32	266.58
194	Riverside.....	5,600	96	2,415	14,842	7	288.00	118.53	84.00	400.00	394.00	204.67	727.68
195	Rockland.....	2,047	93	1,288	2,797	6	228.50	100.00	91.05	25.00	15.84	215.66	300.95
196	Rodney.....	800	54	2,567	4,286	8	159.56	47.86	35.80	154.85	100.00	50.15	200.31
197	Romney.....	1,456	72	3,300	4,110	78	128.37	38.51	27.75	75.00	35.00	69.55	144.97
198	Roseland.....	700	39	167	3,545	4	64.85	19.45	34.05	.....	.....	36.81	88.24
199	Rossdale (R.R. 1, Ailsa Craig).....	154	32	2,053	2,244	8	49.91	35.00	16.10	20.00	30.00	26.99	127.50

TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
200	St. George.....	600	75	5,935	1,477	63	\$115.10	\$84.53	\$54.00	\$50.00	\$85.00	\$35.00	\$ 163.72
201	St. Helens.....			No annual report for 1945.		1945.							
202	Scarborough.....	400	30	8,941	1,120	2	99.89	57.22	29.00	25.00		145.05	163.95
203	Schomberg.....	400	50	1,068	1,435	2	42.61	14.37	25.00	10.00		16.54	26.23
204	Scotland.....	375	67	3,012	1,501	2	72.66	36.36	30.36	22.00		153.55	177.45
205	Selkirk.....	400	117	1,656	3,178	46½	102.35	35.91	48.75	35.00	20.00	39.78	107.31
206	Shedden.....	225	50	2,802	2,080	6	130.78	51.59	50.00	89.00	60.00	59.14	159.93
207	Shednandah.....	200	41	999	1,052	72	51.67	15.50	3.25		10.00	98.89	113.04
208	Shetland.....			No annual report for 1945.		1945.							
209	Singhampton.....	350	31	532	624	78	16.50	5.00	11.25		10.00		29.50
210	Smithville.....	700	41	2,500	817	6	100.16	32.18	41.00	50.00		77.88	175.92
211	Smooth Rock Falls.....	2,000	88	819	3,057	1	271.00	200.00	74.25	300.00	94.00	207.17	513.99
212	Solina.....	300	75	1,071	485	6	21.53	22.94	4.00			27.37	38.49
213	Sombra.....	100	50	1,812	8,573	6	118.77	87.88	19.50	35.00	31.00	117.34	226.14
214	South Mountain.....	250	64	1,092	3,300	18	88.00	26.40	60.65	25.00	33.30		42.02
215	South Woodlee.....	250	34	1,503	2,885	4	61.36	18.40	17.25	25.00	38.00	35.72	157.39
216	Sparta.....	250	102	1,456	2,427	72	32.50	16.75	12.90		50.00		83.90
217	Spurcedale.....			No annual report for 1945.		1945.							
218	Stevensville.....	400	31	1,778	712	1½	90.00	27.00	12.50	125.00			171.00
219	Strathcona.....	200	30	2,218	835	5	135.27	40.58	15.00	50.00	25.00	162.55	211.94
220	Stratton.....	100	30	1,311	1,266	2½	31.25	26.72	14.65	15.00	30.00	43.13	143.55
221	Sunderland.....	421	40	2,604	2,026	3	86.11	25.83	30.00	75.00	50.00	80.83	130.83
222	Sydenham.....			Report received too late for inclusion of statistics.									
223	Thamesford.....	500	76	4,444	6,740	6	166.31	86.50	63.35	92.00	96.00	110.85	297.42
224	Thedford.....	625	109	2,983	5,954	10	132.75	39.82	90.25	50.00	50.00	13.71	155.31
225	Thornbury.....			No annual report for 1945.		1945.							
226	Thorndale.....	250	36	2,275	1,836	4½	133.84	12.22	80.18	35.00	70.50	41.68	150.15
227	Thornhill.....	586	53	1,751	1,761	2½	95.55	89.52	31.94				
228	Thornton.....	350	45	457	377	8	50.45	15.13	17.82	45.00	25.00	11.43	61.55
229	Tiverton.....	250	33	2,557	3,600	4	59.00	17.70	16.50	55.00	50.00		71.88
230	Tottenham.....	497	76	3,506	1,932	25	55.85	22.98	20.25			50.50	78.40
231	Tweed.....	1,250	90	3,720	4,917	5½	213.12	103.16	60.00	250.00	150.00	200.56	516.61
232	Underwood.....	200	30	2,467	1,140	68	40.50	12.15	6.50	50.00		5.57	18.10
233	Unionville.....	900	72	3,065	3,714	2	112.13	63.27	35.00	35.00		137.37	255.03
234	Vankleeck Hill.....	1,500	87	1,694	3,040	8	229.26	80.17	70.50	100.00	116.00	211.90	338.91
235	Varna.....	500	32	1,848	1,220	11	72.63	26.50	27.75	40.00	40.00	21.89	96.15



TABLE 39—ASSOCIATION PUBLIC LIBRARIES

No.	Library	Popula- tion	Bor- rowers	Volumes in Library	Circula- tion	Hours Library Open per Week	Legislative Grant		Member- ship Fees	Municipal Grant or Grants	Amount Expended		Total Expendi- ture
							Earned	Paid in 1946			Salaries of Staff	Books	
236	Walton	350	46	4,265	511	62	\$849.00	\$22.50	\$6.50	\$10.00	\$40.00	\$25.00	\$79.68
237	Wardsville	240	59	3,117	5,337	6	158.10	55.54	46.00	32.00	.....	136.55	202.69
238	Warkworth	500	54	3,173	1,389	8	98.86	29.65	50.50	35.00	60.00	50.10	139.46
239	Warwick	200	38	667	1,221	72	46.64	13.99	15.25	25.00	10.00	24.00	63.37
240	Waterdown	.....	.....	No annual report for 1945.	.....	1915.	.....	.....	.....	.....	.....	.....	.....
241	Wellburn	267	35	1,016	2,070	12	69.73	12.65	26.65	20.00	8.00	44.85	66.96
242	Wellington	500	70	3,220	2,131	3	111.18	42.79	29.00	75.00	26.00	61.36	163.97
243	Wellington	900	251	4,698	12,869	11½	404.00	121.20	219.25	250.00	253.50	101.94	757.34
244	West Lorne	830	106	1,192	4,326	9	168.51	50.55	35.00	140.00	96.00	109.89	218.91
245	White Lake	100	30	954	521	30	12.50	8.62	7.50	.....	.....	18.00	20.75
246	Whitevale	250	10	1,890	1,066	3	92.66	50.71	21.25	70.00	5.16	63.08	115.46
247	Warton	1,749	235	2,160	5,179	18	150.74	92.47	62.05	30.00	215.00	114.21	427.84
248	Winchester	983	50	3,959	2,869	9	61.00	31.22	50.00	.....	75.00	3.93	87.71
249	Woodbridge	1,400	68	3,780	4,376	1½	264.00	80.62	15.00	200.00	40.00	368.56	408.56
250	Woodville	360	95	2,953	2,136	12	110.23	68.24	15.25	70.00	50.00	150.25	312.05
251	Wroster	.....	.....	No annual report for 1945.	.....	.....	.....	.....	.....	.....	.....	.....	.....
252	Wyoming	574	172	1,442	16,650	52½	351.50	119.00	201.25	65.00	130.00	202.44	418.67
253	Zephyr	500	49	2,214	678	2½	50.86	15.25	12.25	50.00	30.00	36.82	79.07
	Totals	215,196	22,987	629,577	913,348	.....	\$28,155.15	\$11,347.71	\$42,102.03	\$26,653.86	\$20,404.13	\$22,742.32	\$59,881.19
254	County Library Co-operatives	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
255	Bruce	.....	.....	952	7,480	.....	.....	\$700.00	.....	\$600.00	.....	\$735.20	\$1,365.05
256	Elgin	.....	.....	4,363	33,710	.....	.....	950.00	.....	850.00	.....	1,691.01	2,055.17
257	Essex	.....	.....	3,897	24,456	.....	.....	1,000.00	.....	900.00	.....	1,161.11	2,476.00
258	Huron	.....	.....	2,295	14,872	.....	.....	3,100.00	.....	2,000.00	.....	1,556.61	2,666.66
259	Kent	.....	.....	2,424	17,831	.....	.....	1,100.00	.....	1,000.00	.....	1,503.28	2,421.11
260	Lambton	.....	.....	8,139	32,775	.....	.....	1,650.00	.....	1,500.00	.....	1,250.71	2,861.27
261	Middlesex	.....	.....	7,477	55,085	.....	.....	3,100.00	.....	2,800.00	.....	1,160.55	2,758.70
262	Oxford	.....	.....	1,365	7,244	.....	.....	250.00	.....	150.00	.....	571.32	633.82
263	Peel	.....	.....	1,251	9,085	.....	.....	850.00	.....	750.00	.....	1,210.11	1,651.73
264	Simcoe	.....	.....	3,404	21,152	.....	.....	3,100.87	.....	2,000.00	.....	1,253.80	2,922.95
264	Welland	.....	.....	Organized in 1946.	.....	.....	.....	1,000.00	.....	1,000.00	.....	.....	.....
	Totals	.....	35,267	223,390	.....	.....	\$16,800.87	.....	.....	\$13,550.00	.....	\$12,007.33	\$21,818.46

**TABLE 40—Professional Certificates Issued by the Department of Education during the School Year 1945-46****A(1) Interim Certificates (Intramural)**

Training School	Classification of Interim Certificates						Total
	Public and Separate School				High School		
	Primary Specialist	Deferred First Class	First Class	Second Class	Type "B"	Type "A"	
Normal Schools.....	17	123	666	128			934
Ontario College of Education.....			19		140	121	280
Totals.....	17	123	685	128	140	121	1,214
	High School Assistants						
	Type "A"			Type "B"			
Summer Course.....				71			71

**A(2) Interim Certificates (Extramural)**

	Classification of Interim Certificates				Total
	*Interim Second Class **	Interim First Class	Interim High School Assistant's		
			Type B	Type A	
Teachers who already held lower Ontario certificates .....	.....	246	40	39	325
Teachers who had failed in previous years.....	12	25	.....	.....	37
Teachers from other provinces.....	7	10	.....	.....	17
Teachers from the British Isles.....	.....	1	.....	.....	1
Total.....	19	282	40	39	380

\*An additional candidate of the 464 mentioned in \*\* Table A(1) obtained In. II Cert.

\*\*3 candidates who failed in previous year completed for Deferred Interim IInd Class Certs.

**A(3) Interim Certificates in Special Subjects**

Subject	Elementary	Intermediate	Supervisor	Specialist
Agriculture.....	69	36	.....	3
Art and Crafts.....	242	74	7	18
Commercial Subjects.....	21	24	.....	12
Guidance.....	259	127	.....	.....
Home Economics..... Type "C"	17	.....	.....	.....
Home Economics..... Type "A"	3	.....	.....	.....
Industrial Arts and Crafts..... Type "B"	34	.....	.....	.....
Industrial Arts and Crafts..... Type "A"	41	.....	.....	.....
Music (a) Vocal (Elementary Schools)..... Type "B"	197	112	34	22
Music (b) Vocal (Elementary Schools)..... Type "A"	39	17	.....	9
Music (c) Instrumental.....	45	23	.....	.....
Physical and Health Education..... Type "A"	132	77	.....	.....
Physical and Health Education..... Type "B"	24	11	.....	.....

In addition to the above, 71 candidates completed the Summer Course in 1946 and were granted Interim High School Assistant's Certificates, Type "B".

**Auxiliary Classes:** General Course—54; Speech Correction and Lip Reading—17; Sight Saving—1; Audio-Visual Aids—32 (no certificates); Auxiliary Education—4.

**B—Permanent Certificates**

Issued during the year 1945-46 to holders of Interim Certificates  
who completed the requirements for Permanent Certificates

Classification of Certificates						
Public and Separate School			High School		Vocational School	
Primary Specialist	First Class	Second Class	High School Assistant's	High School Specialist's	Ordinary	Specialist
5	915	65	208	120	1	3
						Total
						1,317

In addition, 74 High School Principal's Certificates and 3 Vocational School Principal's Certificates were issued.

**Letters of Permission (Elementary Schools)**

1945-46

**Counties (Public)**

Brant.....	2
Bruce.....	7
Carleton.....	9
Dufferin.....	12
Dundas.....	6
Durham.....	3
Elgin.....	3
Essex.....	1
Frontenac and Addington...	35
Glengarry, Prescott and Russell.....	7
Grey.....	27
Haldimand.....	4
Halton.....	4
Hastings.....	43
Huron.....	9
Lambton.....	3
Lanark.....	31
Leeds and Grenville.....	16
Lincoln.....	1
Middlesex.....	5
Norfolk.....	6
Northumberland and Durham.....	7
Ontario.....	1
Oxford.....	3
Peel.....	3
Perth.....	1
Peterborough.....	21
Prince Edward.....	3
Renfrew.....	38
Simcoe.....	34
Stormont.....	8
Victoria.....	7
Waterloo.....	4
Welland.....	3
Wellington.....	7
Wentworth.....	7
York.....	7

Total..... 394

Total Letters of Permission... 930  
(not including permission  
for special subjects).

**District (Public)**

Division I.....	34
" II.....	17
" III.....	36
" IV.....	6
" V.....	17
" VI.....	19
" VII.....	33
" VIII.....	24
" IX.....	12
" X.....	6
" XI.....	16
" XII.....	16
" XIII.....	16
" XIV.....	22
" XV.....	21
" XVI.....	24
Total.....	319

**R. C. Separate**

Division I.....	11
" II.....	15
" III.....	38
" IV.....	15
" V.....	30
" VI.....	10
" VII.....	7
" VIII.....	3
" IX.....	7
" X.....	7
" XI.....	2
" XII.....	3
" XIII.....	2
" XIV.....	2
" XV.....	2
" XVI.....	2
" XVII.....	7
" XVIII.....	7
" XIX.....	7
" XX.....	6
" XXI.....	3
" XXII.....	5
" XXIII.....	5
" XXIV.....	10
" XXV.....	20

Total..... 217

TABLE 41—INSPECTORS AND INSPECTORATES, AS OF  
AUGUST, 1946

A—ELEMENTARY SCHOOLS

C. F. Cannon, B.A., B.Paed., Superintendent of Elementary Education. ....	Assistant Superintendents of Elementary Education.	Parliament Buildings, Toronto.
G. A. Pearson, B.A. ....		
F. S. Rivers, B.A., B.Paed. ....		
C. B. Routley, M.A. ....		
J. C. Walsh, B.A., B.Paed. ....		
S. A. Watson, B.A. ....		
Robert Gauthier, B.A., D.Paed., Director of French Instruction ....		
C. E. Stothers, B.A., D.Paed., Inspector of Auxiliary Classes. ....		
L. Helen DeLaporte, B.A., B.Paed., Assistant Inspector of Auxiliary Classes. ....		
N. Davies, B.A., Inspector of Agricultural Classes. ....		
R. D. Keefe, B.A., Director of School Attendance. ....		
G. R. Fenwick, Mus. Bac., Director of Music. ....		
Joseph Beaulieu, Mus. Bac., Assistant Supervisor of Music. ....		
Charles D. Gaitskill, M.A., Director of Art. ....		

PUBLIC SCHOOL INSPECTORS—CITIES

Inspectorate	Name of Inspector	Address
Belleville. ....	L. A. Kells, B.A., B.Paed. ....	Belleville.
Brantford. ....	Russell Reid, B.A., B.Paed. ....	Brantford, Central School.
Chatham. ....	H. A. Tanser, M.A., D.Paed., Superintendent of Schools. ....	Chatham.
Hamilton. ....	R. A. Riddell, B.A., B.Paed., Director of Elementary Education	Hamilton.
	V. N. Ames, B.A., B.Paed. ....	
	J. W. Van Loon, B.A., B.Paed. ....	
Kitchener. ....	R. M. Buie, B.A., B.Paed., appointed Nov. 1, 1946. ....	
London. ....	G. A. Wheable, B.A., LL.D., Superintendent of Schools. ....	London.
	A. B. Lucas, B.A., B.Paed. ....	
Ottawa. ....	McGregor Easson, B.A., D.Paed., Chief Inspector. ....	Ottawa.
	Robert Westwater, B.A., B.Paed. ....	
Peterborough. ....	K. S. Wightman, B.A., B.Paed. ....	Peterborough.
St. Catharines. ....	M. F. Pummell, B.A., B.Paed., Superintendent of Schools. ....	St. Catharines.
Sault Ste. Marie. ....	Leonard Boyce, B.A., B.Paed., Director of Education. ....	Sault Ste. Marie.
Toronto. ....	C. C. Goldring, M.A., D.Paed., Director of Education. ....	Toronto, 155 College St.
	Z. S. Phimister, B.A., B.Paed., Superintendent of Public Schools.	
	W. E. Hume, B.A., D.Paed. ....	
	A. G. Leitch, B.A., B.Paed. ....	
	William McKay, B.A., B.Paed. ....	
	H. E. Cavell, M.A., B.Com., B.Paed.	
	A. W. R. Doan, M.A., D.Paed. ....	
	J. L. McCullough, B.A., B.Paed. ....	
Windsor. ....	Leonard Wheelton, B.A., Superintendent of Schools. ....	Windsor.
	T. C. White, B.A., B.Paed. ....	

## PUBLIC SCHOOL INSPECTORS—COUNTIES

Inspectorate	Name of Inspector	Address
Brant; Town of Paris.....	J. C. Webster, B.A., B.Paed.....	Brantford.
Bruce (in part), Huron (in part); Towns of Chesley, Kincardine, Southampton, Walkerton; Villages of Lucknow, Mildmay, Paisley, Port Elgin, Ripley, Tara, Teeswater, Tiverton.....	J. M. Game, B.A., B.Paed..... A. A. Gilroy, B.A.....	Walkerton.
Carleton; Town of Eastview; Villages of Richmond, Rockcliffe Park.....	J. C. Wilker, B.A., B.Paed.....	Ottawa, 377 Hamilton Ave.
Dufferin; Town of Orangeville; Villages of Grand Valley, Shelburne.....	W. L. Lovell, B.A., B.Paed.....	Orangeville.
Dundas; Villages of Chesterville, Iroquois, Morrisburg and Winchester.....	W. J. Stewart, M.A., B.Paed.....	Winchester.
Durham (in part) and City of Oshawa; Town of Bowmanville.....	T. R. McEwen, B.A., B.Paed.....	Oshawa.
Elgin; City of St. Thomas; Town of Aylmer, Villages of Dutton, Port Stanley, Rodney, Springfield, Vienna, West Lorne.....	A. D. McColl, B.A..... K. F. Prueter, B.A.....	St. Thomas.
Essex (No. 1); Towns of Amherstburg, Essex, Harrow, Kingsville, La Salle, Leamington, Ojibway, Riverside, Tecumseh; Villages of Belle River, St. Clair Beach.....	G. L. Duffin, B.A., M.Ed..... R. A. Pierce, B.A..... C. E. McMullen, B.A.....	Essex, Box 500.
Essex (No. 2).....	*C. X. Charron, B.A.....	Windsor, 923 Tuscarora St.
Frontenac, North, and Addington.....	R. C. Earl, B.A.....	Sharbot Lake.
Frontenac, South (No. 1); Lennox (in part); Villages of Bath, Portsmouth.....	Norman Campbell, M.A.....	Kingston.
Frontenac, South (No. 2), and City of Kingston..	F. P. Smith, M.A.....	Kingston.
Glengarry (No. 1), and Prescott (in part); Town of Alexandria; Villages of Lancaster, Maxville....	Howard Robertson, B.A., B.Paed...	Cornwall, 330 Augustus St.
Glengarry (No. 2).....	*Laurier Carriere.....	Cornwall, 145 Second St., W.
Grenville; Town of Prescott; Villages of Cardinal, Kemptville, Merrickville.....	H. W. Knight, B.A., B.Paed.....	Prescott.
Grey, East; Towns of Meaford, Thornbury; Village of Chatsworth.....	L. L. Sinclair, B.A.....	Owen Sound, 211 5th St., East.
Grey, North, and Bruce, North; City of Owen Sound; Town of Wiarton; Villages of Hepworth, Lion's Head, Shallow Lake.....	J. J. Wilson, B.A., B.Paed.....	Owen Sound.
Grey, South; Towns of Durham, Hanover; Villages of Dundalk, Flesherton, Markdale, Neustadt...	W. G. Rae, B.A.....	Hanover.
Haldimand; Town of Dunnville; Villages of Caledonia, Cayuga, Hagersville, Jarvis.....	W. E. Eade, B.A., B.Paed.....	Caledonia.
Haliburton; Peterborough, West (in part), and Victoria, East (in part).....	Archibald Stouffer, B.A., B.Paed....	Minden.
Haltou; Towns of Burlington, Georgetown, Milton, Oakville; Village of Acton.....	L. L. Skuce, B.A., B.Paed.....	Milton.
Hastings, Centre; Villages of Madoc, Stirling, Tweed.....	A. W. McGuire, B.A.....	Tweed.
Hastings, North, Nipissing (in part), Renfrew (in part); Villages of Bancroft, Deloro, Marmora...	H. H. Loucks, B.A.....	Bancroft.
Hastings, South; Town of Trenton; Village of Frankford.....	R. H. Macklem, B.A.....	Belleville, 211 Albert St.
Huron, North; Towns of Seaforth, Wingham; Villages of Blyth, Brussels.....	J. H. Kinkead, B.A., B.Paed.....	Goderich.
Huron, South; Towns of Clinton, Goderich; Villages of Exeter, Hensall.....	R. O. Staples, B.A., B.Paed.....	Goderich.
Kent (No. 1); Towns of Blenheim, Bothwell, Dresden, Ridgétown, Tilbury, Wallaceburg; Villages of Eriéau, Thamesville, Wheatley.....	F. L. Barrett, B.A., B.Paed..... G. C. Dobson, B.A., B.Paed.....	Chatham, Box 296.
Kent (No. 2).....	*H. J. Payette, B.A.....	Chatham, 574 King St. W.



## PUBLIC SCHOOL INSPECTORS—COUNTIES

Inspectorate	Name of Inspector	Address
Lambton (No. 1); Town of Forest; Villages of Courtright, Point Edward, Thedford, Wyoming.	H. B. Galpin, B.A., B.Paed.	Sarnia.
Lambton (No. 2); Town of Petrolia; Villages of Alvinston, Arkona, Oil Springs, Watford.	T. J. Thompson, B.A., B.Paed.	Petrolia.
Lambton (No. 3); City of Sarnia.	William Rogers, B.A., B.Paed.	Sarnia.
Lanark; Towns of Almonte, Carleton Place, Perth, Smith's Falls; Village of Lanark.	J. W. Barber, B.A., B.Paed.	Perth.
Leeds (No. 1); Town of Gananoque; Villages of Newboro, Westport.	W. F. Hiscocks, B.A.	Gananoque.
Leeds (No. 2); Town of Brockville; Village of Athens.	Elwood Oakes, B.A., B.Paed.	Brockville.
Lennox and Hastings, South (in part); Towns of Deseronto, Napanee; Village of Newburgh.	H. H. Langford, B.A.	Napanee.
Lincoln (in part); Towns of Grimsby, Merriton, Niagara; Villages of Beamsville, Port Dalhousie.	W. A. Marshall, B.A., B.Paed.	St. Catharines, 48 Glen Ridge Ave.
Middlesex, East; Village of Lucan.	D. G. Smith, B.A.	London, 155 Thornton Ave.
Middlesex, West; Towns of Parkhill, Strathroy; Villages of Ailsa Craig, Glencoe, Newbury, Wardsville.	Gordon Young, B.A.	Strathroy.
Norfolk; Town of Simcoe; Villages of Delhi, Port Dover, Port Rowan, Waterford.	W. J. McLeod, B.A., B.Paed.	Simcoe.
Northumberland; Town of Campbellford; Villages of Brighton, Colborne, Hastings.	R. H. Brayford, B.A.	
Northumberland and Durham; Towns of Cobourg, Port Hope; Villages of Millbrook, Newcastle.	A. A. Martin, B.A., B.Paed.	Brighton.
Ontario, North; Town of Uxbridge; Villages of Beaverton, Cannington, Sutton.	W. H. Carlton, B.A., B.Paed.	Cobourg.
Ontario, South; Town of Whitby; Village of Port Perry.	J. R. Pickering, B.A., B.Paed.	Uxbridge.
Oxford, North, and City of Woodstock; Villages of Embro, Tavistock.	Arthur Archibald, B.S.A.	Whitby.
Oxford, South; Towns of Ingersoll, Tillsonburg; Village of Norwich.	Geo. M. Mather, B.A.	Woodstock.
Peel; Town of Brampton; Villages of Bolton, Port Credit, Streetsville.	L. B. Hyde, B.A.	Ingersoll.
Perth, North, and Wellington (in part); Towns of Listowel, Mitchell; Village of Milverton.	E. R. Underhill, B.A.	Brampton.
Perth, South; City of Stratford; Town of St. Mary's.	J. C. McClelland, B.A.	
Peterborough, East; Villages of Havelock, Lakefield, Norwood.	A. E. Nelson, B.A.	Stratford.
Peterborough, West, and Victoria, East; Town of Lindsay; Villages of Bobcaygeon, Omemee.	G. N. Edwards, B.A., B.Paed.	Stratford.
Prescott and Russell (No. 1); Towns of Hawkesbury, Rockland, Vankleek Hill; Village of L'Orignal (Prot. Sep. Sch.).	K. O. Birkin, M.A., B.Paed.	Peterborough.
Prescott and Russell (No. 2); Village of L'Orignal.	E. C. Anderson, B.A.	Lindsay, 12 Francis St.
Prescott and Russell (No. 3).	W. C. VanderBurgh, B.A.	Ottawa, 119 Bayswater Ave.
Prince Edward; Town of Picton; Villages of Bloomfield, Wellington.	*J. S. Gratton	Plantagenet.
Renfrew, North; Town of Pembroke; Village of Cobden.	*J. Lapensée, B.A.	Plantagenet.
Renfrew, South; Towns of Arnprior, Renfrew; Villages of Barry's Bay, Braeside, Eganville, Killaloe Station.	A. F. Brown, B.A.	Picton.
	W. G. Chatterton, B.A.	Pembroke.
	H. Bolingbroke, B.A., B.Paed.	Renfrew.

## PUBLIC SCHOOL INSPECTORS—COUNTIES

Inspectorate	Name of Inspector	Address
Simcoe, Centre; Towns of Barrie, Penetanguishene (Prot. Sep. Sch.).....	P. M. Scott, B.A.....	Barrie.
Simcoe, East; Muskoka (in part); Towns of Midland, Orillia; Villages of Coldwater, Port McNicoll, Victoria Harbour.....	J. A. Gibson, B.A., B.Paed.....	Orillia.
Simcoe, North (No. 1); Town of Penetanguishene.....	*Remi Millette, M.A., B.Paed., Ph.D.....	Sudbury, 67 Elm St., E.
Simcoe, North (No. 2).....	*W. A. Hayden, M.A.....	Toronto, 315 St. Clements Ave.
Simcoe, South; Town of Alliston; Villages of Beeton, Bradford, Tottenham.....	J. E. Horton, B.A.....	Bradford.
Simcoe, West, Grey (in part); Towns of Collingwood, Stayner, Thornbury; Village of Creemore.....	A. E. Gillies, B.A.....	Collingwood.
Stormont; City of Cornwall; Village of Finch.....	R. J. McNaughton, B.A., B.Paed.....	Cornwall.
Victoria, West; Villages of Fenelon Falls, Woodville.....	C. W. Lees, B.A., B.Paed.....	Lindsay.
Waterloo (No. 1); Towns of Elmira, Waterloo.....	G. H. Dobrindt, B.A.....	Kitchener.
Waterloo (No. 2); City of Galt; Towns of Hespeler and Preston; Villages of Ayr, New Hamburg.....	A. F. Hansuld, B.S.A., B.Paed.....	Galt.
Welland, East; City of Niagara Falls; Village of Chippewa.....	H. W. Brown, B.A.....	Niagara Falls.
Welland, South; Towns of Fort Erie, Port Colborne; Village of Humberstone.....	N. R. Wightman, B.A.....	Welland, 39 Oakland Ave.
Welland (in part); Lincoln (in part); City of Welland; Town of Thorold; Village of Fonthill.....	C. R. MacLeod, B.A.....	Welland, 22 Cross St.
Wellington, North; Towns of Harriston, Mount Forest, Palmerston; Villages of Arthur, Clifford, Drayton, Elora, Fergus.....	J. R. McCarthy, B.A., B.Paed.....	
Wellington, South; City of Guelph; Village of Erin.....	L. P. Menzies, B.A., B.Paed.....	Fergus.
Wentworth; Town of Dundas; Villages of Stoney Creek, Waterdown.....	W. R. McVittie, B.A.....	Guelph.
York (No. 1); Townships of Georgina, Gwillimbury, East, Gwillimbury, North, Markham, Whitechurch; Towns of Aurora, Newmarket; Villages of Markham, Richmond Hill, Stouffville, Sutton West.....	J. K. Evans, B.A., B.Paed.....	Hamilton.
York (No. 2); Township of Etobicoke; Town of New Toronto; Village of Long Branch.....	M. A. Craig, B.A., B.Paed.....	Court House.
York (No. 3); Township of York (in part).....	O. M. MacKillop, B.A., B.Paed.....	Richmond Hill.
York (No. 4); Township of York (in part).....	M. R. Fydeell, B.A.....	Toronto 3, 6 Olympus Ave.
York (No. 5); Township of York, East.....	W. A. Fydeell, B.A., B.Paed.....	Toronto 3, 8 Olympus Ave.
York (No. 6); Township of Scarborough; Town of Leaside.....	C. A. Lapp, B.A., B.Paed.....	Toronto 10, 106 Pinewood Ave.
York (No. 7); Township of York, North; Village of Forest Hill.....	H. A. Halbert, B.A., B.Paed.....	Toronto 12, 10 Wilberton Rd.
York (No. 8); Townships of King, Vaughan; Towns of Mimico, Weston; Villages of Swansea, Woodbridge.....	F. W. Minkler, B.A., B.Paed.....	Toronto 5, 483 Summerhill Ave.
	Charles Howitt, B.A., B.Paed.....	Toronto 12, 128 Colin Ave.

## PUBLIC SCHOOL INSPECTORS—DISTRICTS

Inspectoral Division	Name of District	Public School Inspector	Address
1	Kenora, Patricia and Thunder Bay (in part); Towns of Dryden, Keewatin, Kenora, Sioux Lookout.....	R. S. McBurney, B.A., B.Paed.....	Kenora.
2	Rainy River; Towns of Fort Frances, Rainy River.....	D. A. Lapp, M.A.....	Fort Frances.
3	Thunder Bay (in part); City of Fort William.....	G. A. Noble, B.A., B.Paed.....	Port Arthur.
4	Thunder Bay (in part); Town of Geraldton.....	R. R. Steele, B.A.....	Fort William.
5	Thunder Bay (in part); City of Port Arthur.....	W. J. Judd, B.A.....	Port Arthur.
6	Algoma (in part); Village of Hilton Beach.....	D. T. Walkom, B.A.....	Sault Ste. Marie.
7	Algoma (in part); Nipissing (in part); Parry Sound (in part); Sudbury (in part); Towns of Capreol, Coniston, Copper Cliff, Levack.....	A. C. Ritter, B.A., B.Paed.....	Sudbury, 67 Elm St., E.
8 (1)	Sudbury (in part); City of Sudbury; Towns of Blind River, Frood Mine, Massey, Webbwood.....	Wm. MacMillan, B.A., B.Paed.....	Sudbury, 67 Elm St., E.
8 (2)	Sudbury (in part).....	*Remi Millette, M.A., B.Paed., Ph.D.	Sudbury, 67 Elm St., E.
8 (3)	Sudbury (in part); Thunder Bay (in part).....	*P. E. Piché, M.A., B.Paed.....	Sudbury, 67 Elm St., E.
9	Manitoulin; Algoma (in part); Towns of Bruce Mines, Gore Bay, Little Current, Nesterville, Thessalon.....	Sidney Geiger, B.A.....	Gore Bay.
10 (1)	Cochrane (in part); Towns of Cochrane, Hearst, Smooth Rock Falls..	H. A. Blanchard, B.A.....	Cochrane.
10 (2)	Cochrane (in part).....	*F. A. Moreau, B.A., B.Paed.....	Kapuskasing.
11 (1)	Cochrane (in part); Towns of Iroquois Falls, Timmins.....	J. R. M. Peat, B.A., B.Paed.....	Timmins.
11 (2)	Cochrane (in part).....	*R. R. Maurice, B.A.....	Haileybury.
12	Cochrane (in part); Timiskaming (in part); Towns of Larder Lake, Matheson.....	J. H. Kennedy, B.A.....	Kirkland Lake.
13 (1)	Timiskaming (in part); Towns of Charlton, Cobalt, Englehart, Haileybury, Latchford, New Liskeard; Village of Thornloe.....	J. L. Runnalls, B.A.....	Haileybury.
13 (2)	Timiskaming (in part).....	*R. R. Maurice, B.A.....	Haileybury.
14 (1)	Nipissing and Parry Sound (in part); City of North Bay; Towns of Cache Bay, Mattawa, Sturgeon Falls....	J. W. Trusler, B.A.....	North Bay, 328 Fraser St.
14 (2)	Nipissing (in part).....	*Lucien Laplante, M.A.....	North Bay, 577 McIntyre St. W.
15	Parry Sound; Muskoka (in part); Nipissing (in part); Towns of Huntsville, Kearney, Powassan, Trout Creek; Villages of Burk's Falls, South River, Sundridge.....	G. E. Tait, B.A., B.Paed.....	Huntsville.
16	Parry Sound; Muskoka (in part); Town of Parry Sound; Village of Rosseau.....	R. C. Cassie, B.A.....	Parry Sound.
17	Muskoka (in part); Towns of Bala, Bracebridge, Gravenhurst; Villages of Port Carling, Port Sydney, Windermere.....	G. S. Johnson, B.A.....	Bracebridge.

## (4) SEPARATE

Inspectoral Division	Inspectorate	Inspector	Address
1	Districts of Algoma (in part), Kenora, Manitoulin, Rainy River (in part), Sudbury (in part), Thunder Bay; Cities of Fort William, Port Arthur, Sault Ste. Marie (in part); Towns of Fort Frances (in part), Keewatin, Kenora, Little Current, Rainy River, Sioux Lookout.....	W. J. Greening, B.A., B.Paed.....	Port Arthur, 288 Harrington Ave.
2	County of Simcoe North (in part); District of Sudbury (in part); Cities of Sudbury (in part), Sault Ste. Marie (in part); Towns of Blind River (in part), Chelmsford, Massey (in part).....	*R. Millette, M.A., B.Paed., Ph.D. ....	
3	Districts of Sudbury (in part), Rainy River (in part), Thunder Bay (in part); Towns of Coniston (in part), Fort Frances (in part), Geraldton.....	*P. E. Piché, M.A.....	Sudbury, 67 Elm St., E.
4	District of Cochrane (in part); Towns of Cochrane (in part), Hearst, Smooth Rock Falls.....	*F. A. Moreau, B.A., B.Paed.....	Kapuskasing.
5	District of Nipissing (in part); City of North Bay (in part); Towns of Bonfield, Cache Bay, Mattawa (in part), Pembroke (in part), Sturgeon Falls (in part).....	*Lucien Laplante, M.A.....	North Bay, 135 First Ave., E.
6	Districts of Cochrane (in part), Temiskaming (in part); Towns of Charlton, Cobalt (in part), Haileybury (in part), Iroquois Falls (in part), Larder Lake (in part), New Liskeard, Timmins (in part); Village of Thornloe.....	*R. R. Maurice, B.A.....	Haileybury.
7	Districts of Algoma (in part), Parry Sound (in part), Sudbury (in part), Temiskaming (in part); Cities of North Bay (in part), Sudbury (in part); Towns of Cobalt (in part), Cochrane (in part), Coniston (in part), Haileybury (in part), Iroquois Falls (in part), Kapuskasing (in part), Kearney, Larder Lake (in part), Massey (in part), Sturgeon Falls (in part), Timmins (in part), Webbwood.....	*W. H. Bulger, B.A.....	North Bay, 328 Fraser St.
8	County of Essex (in part); City of Windsor (in part); Town of Riverside (in part).....	A. M. McNamara, B.A.....	Windsor, 230 Campbell Ave.
9	County of Essex (in part); City of Windsor (in part); Towns of LaSalle, Riverside (in part); Villages of Belle Riviere and Tecumseh.....	*C. X. Charron, B.A.....	Windsor, 923 Tuscarora St.
10	Counties of Essex (in part), Huron (in part), Kent, Lambton; Cities of Chatham, Sarnia; Towns of Amherstburg, Blenheim, Essex, Goderich, Harrow, Kingsville, Leamington, Parkhill, Seaforth, Tilbury, Wallaceburg.....	*H. J. Payette, B.A.....	Chatham, 574 King St., W.
11	Counties of Bruce, Grey (in part), Huron (in part), Norfolk, Perth (in part); Cities of London, Stratford, Woodstock; Towns of Delhi, Hanover, St. Marys, Simcoe, Tillsonburg, Walkerton; Villages of Mildmay, Teeswater.....	J. F. Kinlin, B.A., B.Paed.....	London, 435 Colborne St.

## (4) SEPARATE

Inspectoral Division	Inspectorate	Inspector	Address
12	Counties of Grey (in part), Perth (in part), Waterloo, Wellington; Cities of Galt, Guelph, Kitchener, Owen Sound, Towns of Hespeler, Mount Forest, Preston, Waterloo; Villages of Arthur, Elora, Fergus.....	L. J. Langan, B.A.....	Kitchener, St. Mary's School, Young St.
13	County of Wentworth; Cities of Brantford, Niagara Falls, St. Catharines; Towns of Dundas, Merriton, Oakville, Paris, Thorold; Villages of Humberstone, Port Dalhousie.....	V. C. Quarry, B.A.....	London, 613 Wellington St.
14	City of Hamilton.....	J. V. Scanlan, B.A.....	Hamilton, 36 Beulah Ave.
15	District of Muskoka (in part); Counties of Northumberland, Ontario, Peel, Peterborough, Simcoe, Victoria, York (in part); Cities of Oshawa, Peterborough; Towns of Barrie, Campbellford, Cobourg, Collingwood, Lindsay, Midland, Mimico, Newmarket, Orillia, Trenton, Whitby; Village of Hastings.....	*W. A. Hayden, M.A.....	Toronto, 315 St. Clements Ave.
16	York (in part); City of Toronto (in part); Town of Weston; Village of Swansea.....	T. S. Melady, M.A.....	Toronto, 42 Lynngrove Ave.
17	County of York (in part); City of Toronto (in part); Town of Leaside; Village of Forest Hill.....	J. M. Bennett, M.A., Ph.D.....	Toronto, 47 Browning Ave.
18	Counties of Frontenac, Glengarry (in part), Hastings, Leeds, Lennox and Addington, Stormont (in part); Cities of Belleville, Cornwall (in part), Kingston; Towns of Alexandria, Brockville, Gananoque, Picton, Prescott; Villages of Marmora, Tweed.....	C. P. Matthews, B.A., B.Paed.....	Kingston, 98 William St., W.
19	Counties of Lanark, Leeds and Grenville, Renfrew; District of Nipissing; Towns of Almonte, Arnprior, Mattawa (in part), Pembroke (in part), Perth, Renfrew, Smith's Falls; Villages of Barry's Bay, Eganville, Killaloe, Westport.....	J. T. Anderson, B.A.....	Renfrew.
20	County of Carleton (in part); City of Ottawa (in part); Town of Eastview (in part).....	F. J. McDonald, M.A., B. Paed., Ph.D.....	Ottawa, 860 Echo Dr.
21	City of Ottawa (in part); Town of Eastview (Clarkstown only).....	Chas. A. Latour, B.A., B.L.....	Ottawa, 67 Osgoode St.
22	County of Carleton (in part); City of Ottawa (in part); Town of Eastview (in part).....	*F. Choquette, B.A.....	Ottawa, 121 Frank St.
23	Counties of Prescott (in part), Russell (in part); Town of Rockland.....	*J. S. Gratton.....	Plantagenet.
24	Counties of Prescott (in part), Russell (in part); Towns of Hawkesbury, Vankleek Hill.....	*J. Lapensée, B.A.....	Plantagenet.
25	Counties of Dundas, Glengarry, Russell (in part), Stormont; Towns of Alexandria (in part), Cornwall (in part); Villages of Casselman, Lancaster.....	*L. Carriere, B.A., B.Paed.....	Cornwall, 445 Second St., W.

\*This Inspector inspects both Public and Separate schools.



**B—SECONDARY SCHOOLS**

A. G. Hooper, M.A.  
Superintendent of Secondary Education

L. S. Beattie, B.A.  
Director of Vocational Education

**High School Inspectors**

F. C. Asbury, M.A.  
C. W. Booth, B.A.  
J. E. Durrant, B.A.  
G. L. Gray, B.A.  
W. A. Jennings, B.A.,  
B.Paed.  
G. E. Johnson, M.A.  
A. L. Lakie, B.A., B.Paed.

H. Lemieux, B.A.,  
B.Paed.  
E. R. McClellan, B.S.A.  
J. R. H. Morgan, M.B.E.,  
M.A., B.Paed.  
S. D. Rendall, B.A.  
W. R. Stewart, B.A.  
R. H. Wallace, M.A.

A. M. Moon, B.A.Sc.  
Assistant Director of Vocational Education

**Vocational School Inspectors**

Miss A. W. Cameron, M.A.  
Miss M. A. Clarke, M.A.  
R. J. Davies, B.Sc.  
Norman Davies, B.A.  
T. O. W. Fowler, B.Comm., B.Paed.  
D. W. Gordon  
G. P. Hillmer, B.A.  
Miss E. I. McKim  
H.M. Matthews

Registrar of Trade Schools—W. S. Kirkland, M.A., LL.D.

Address of above Officials—Parliament Buildings, Toronto.

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1946

The type of Secondary Schools is shown thus: Collegiate Institute (CI); High School (H); Continuation School (C); Technical School (T); Commercial School (Com); Composite (academic, commercial and technical) (ACT); Combined academic and commercial (AC); Combined Vocational (commercial and technical) (CT); Combined academic and vocational agriculture (A. Agr.); Combined academic and mining school (AM).  
 Senior Auxiliary Schools shown thus: (SA); Navigation Schools shown thus: (N).  
 Each Urban Centre without a symbol has no Secondary School.  
 \*Denotes urban centre with no secondary school, but the municipality is part of a larger I.S. district.

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Brant	Brantford (ACT)	Paris (H)		Burford (H), Mount Pleasant (C), St. George (C), Scotland (C)
Bruce		Chesley (H), Kincardine (H), Southampton (C), Walkerton (H), Wiarton (H)	Hepworth (C), Lion's Head (C), Lucknow (H), Midway, Paisley (C), Port Elgin (H), Ripley (C), Tara (C), Teeswater (C), Triverton (C)	Allenford (C).
Carleton	Ottawa (2 CI) (T) (Com.)	Eastview *	Richmond (C), Rocklife *	Carp (C), Fitzroy Harbour (C), Kars (C), Kenmore (C), Kilmory (C), Manotick (C), Metcalfe (C), Nepean (H), North Gower (C), Pierce's Cornerst (C)
Dufferin		Orangeville (H)	Grand Valley (C), Shelburne (H)	Honeywood (C)
Dundas			Chesterville (H), Iroquois (H), Morrisburg (C.T.), Winchester (H)	Hallville (C), Morewood (H), South Mountain (C)
Durham		Bowmanville (H), Port Hope (H)	Millbrook (C), Newcastle (H)	Blackstock (C), Orono (C)
Elgin	St. Thomas (CI) (CT)	Aylmer (H)	Dutton (H), Port Stanley, Rodney (C), Springfield (C), Vienna (H), West Lorne (C)	Belmont (C), Port Burwell (C), Sparta (C)
Essex	Windsor (4 CI) (CT)	Amherstburg (H), Essex (H), Harrow (H), Kingsville (H), La Salle, Leamington (H), Riverside (C), Tecumseh	Belle River, St. Clair Beach	Comber (C), Pelee Island (C)
Frontenac	Kingston (ACT) (N)		Portsmouth	Sydenham (H), Wolfe Island (C)
Glenagry		Alexandria (H)	Lancaster, Maxville (H)	Williamstown (H)
Grenville		Prescott (H)	Cardinal (C), Kemptville (A. Agr.), Merrickville (C)	North Augusta (C), Spencerville (C)
Grey	Owen Sound (ACT)	Durham (H), Hanover (H), Meaford (H), Thornbury (H)	Chatsworth (C), Dundalk (H), Flesher-ton (H), Markdale (H), Neustadt, Shallow Lake	Holstein (C)
Haldimand		Dunnville (H)	Caledonia (H), Cayuga (H), Hagersville (H), Jarvis (C)	Selkirk (C)
Haliburton				Haliburton (C), Minden (C)
Hallton		Burlington (H), Georgetown (H), Milton (H), Oakville (H)	Acton (C)	

† Malakoff Continuation School

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1946

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Hastings	Belleville (ACT)	Deseronto (H), Trenton (H)	Bancroft (H), Deloro, Frankford (C), Madoc (H), Marmora (H) Stirling (H), Tweed (H)	
Huron		Clinton (C.I.), Goderich (C), Seaforth (H), Wingham (H)	Blyth (C), Brussels (C), Exeter (H), Hensall (C)	Fordwich (C), Wroxeter (C)
Kent	Chatham (C) (CT)	Blenheim (H), Bothwell (C), Dresden (C), Ridgeway (A.Agr.), Tilbury (H), Wallaceburg (H)	Erieau, Erie Beach, Highgate Thamesville (C), Wbeatley (C)	Merlin (H), Painscourt (C)
Lambton	Sarnia (ACT)	Forest (H), Petrolia (H)	Alvinston (C), Arkona (C), Courtwright, Oil Springs (C), Point Edward, Tbedford (C), Watford (H), Wyoming (C)	Florence (C)
Lanark		Almonte (H), Carleton Place (H), Perth (C), Smith's Falls (C)	Lanark (C)	Pakenham (C)
Leeds		Brockville (C), Gananoque (H)	Athens (H), Newboro, Westport (2C)	Elgin (C), Lansdowne (C), Lyndhurst (C), Mallorytown (C), Seely's Bay (C)
Lennox and Addington		Napanee (C)	Bath (C), Newburgh (H)	Denbigh (C), Flinton (C), Odessa (C), Stella (C), Tamworth (C)
Lincoln	St. Catharines (ACT)	Grimsby (H), Merriton (H), Niagara (H)	Beamsville (A.Agr.), Port Dalhousie*	Smithville (H)
Middlesex	London (3 C) (CT)	Parkhill (H), Strathroy (C)	Ailsa Craig (C), Glencoe (H), Lucan (H), Newbury, Wardsville (H)	Delaware (C), Dorchester (C), Hilderton (C), Lambeth (C), Lobo (C), Melbourne (C), Mt. Bridges (C), Thorn dale (C)
Norfolk		Simcoe (ACT)	Delhi (H), Port Dover (H), Port Rowan (H), Waterford (H)	
Northumberland		Campbellford (H), Cobourg (C)	Brighton (H), Colborne (H), Hastings	Castleton (C), Warkworth (C), Wooler (C)
Ontario	Oshawa (ACT)	Whitby (H), Uxbridge (H)	Beaverton (C), Cunnington (C), Port Perry (H)	Brooklin (C), Claremont (C), Pickering (C), Sunderland (C)
Oxford	Woodstock (C)	Ingersoll (C), Tillsonburg (H)	Embro (C), Norwich (H), Tavistock (C)	Brownsville (C), Burgessville (C), Drumbo (C), Mt. Elgin (C), Otterville (C), Plattsville (C), Princeton (C), Thamesford (C)
Peel		Brampton (H)	Bolton (C), Port Credit (H), Streetville (H)	Alton (C), Caledon East (C), Cooksville (C), Inglewood (C)
Perth	Stratford (C)	Listowel (H), Mitchell (H), St. Mary's (C)	Milverton (C)	Dublin (C)
Peterborough	Peterborough (ACT)		Havelock (H), Lakefield (H), Norwood (H)	Ennismore (C)

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1946

COUNTIES	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Prescott		Hawkesbury (2H), Vankleek Hill (CI)	L'Original	Plantagenet (H)
Prince Edward		Pictou (CI)	Bloomfield, Wellington (C)	Consecon (C)
Renfrew		Arnprior (H), Pembroke (CI), Renfrew (ACT)	Barry's Bay, Braeside, Cobden (C) Eganville (2C), Killaloe	Beachburg (C), Forester's Falls (C), Westmeath (C)
Russell		Rockland (H)	Casselman	Cumberland (C), Embrun (H), Navan (C), Russell (C)
Simcoe		Alliston (H), Barrie (CI), Collingwood (CI), (N), Midland (H), (N), Orillia (CI), Penetanguishene (H), Stayner (C)	Beeton (C), Bradford (H), Coldwater (C), Creemore (C), Port McNicoll (C), Tottenham (C), Victoria Harbour	Cookstown (C), Elmville (H), Lefroy (C), Minesing (C), Severn Bridge (C), Singhampton (C), Thornton (C), LaFontaine (C)
Stormont	Cornwall (ACT)		Finch (H)	Aultsville (C), Avonmore (H), Wales (C)
Victoria		Lindsay (CI)	Bobcaygeon (C), Fenelon Falls (C), Omemee (H), Sturgeon Point, Woodville (C)	Kinmount (C), Little Britain (C)
Waterloo	Galt (ACT), Kitchener (ACT)	Elmira (H), Hespeler,* Preston (H), Waterloo	Ayr (C), New Hamburg (C)	New Dundee (C), Wellesley (C)
Welland	Niagara Falls (ACT) Welland (ACT)	Fort Erie (H), Port Colborne (H), Thorold (H)	Chippawa, Crystal Beach, Fonthill, Humberstone	Pelham (C), Ridgeway (H), Stevensville (C), Stamford (ACAg)
Wellington	Guelph (ACT)	Harriston (H), Mount Forest (H), Palmerston (H)	Arthur (H), Clifford (C), Drayton (H), Elora (H), Erin (C), Fergus (H)	Rockwood (C)
Wentworth	Hamilton (2CI), (Com.), (T), (2SA), (ACT)	Dundas (H)	Waterdown (H), Stoney Creek (H)	Lynden (C)
York	Toronto (9CI), (3SA), (2T), (2CT), (2 Com.), (1AC)	Aurora (H), Leaside (H), Mimico (H), Newmarket (H), New Toronto,* Weston (ACT)	Forest Hill (H), Long Branch (C), Markham (H), Richmond Hill (H), Stouffville (H), Sutton (C), Swansea, Woodbridge	(a) In York Twp.: Rummymede (CI), Vaughan Rd. (CI), York Memorial (CI) (b) In East York Twp.: East York (CI) (c) In North York " Willowdale (CI) (d) In Scarborough " Scarborough (CI) (e) In Etobicoke " Etobicoke (H) Agincourt (C), Mt. Albert (C), Schomberg (C)

TABLE 42—LOCATION OF SECONDARY SCHOOLS BY COUNTIES AND DISTRICTS, SEPT. 1946

DISTRICTS	CITIES	TOWNS	INCORPORATED VILLAGES	OTHER CENTRES WHERE SECONDARY SCHOOLS ARE LOCATED
Algoma	Sault Ste. Marie (CI), (CT)	Blind River (C), Bruce Mines (C), Nesterville, Thessalon (H)	Hilton Beach	Hornpayne (C), White River (C)
Cochrane		Cochrane (H), Hearst (H), Iroquois Falls (H), Kapuskasing (H), Matheson, Smooth Rock Falls (C), Timmins (ACT)		Fraserdale (C), South Porcupine (H), Schumacher (H)
Kenora		Dryden (H), Keewatin*, Kenora (H), Sioux Lookout (C)		
Manitoulin		Gore Bay (H), Little Current (C)		Manitowaning (C), Mindemoya (C)
Muskoka		Bala, Bracebridge (H), Gravenhurst (H), Huntsville (H)	Port Carling (C), Port Sydney, Rosseau, Windemere	MacTier (C)
Nipissing	North Bay (ACT)	Bonfield, Cache Bay, Mattawa (H), Sturgeon Falls (H)		
Parry Sound		Kearney, Parry Sound (H), Powassan (C), Trout Creek	Burk's Falls (C), Magnetawan, South River (C), Sundridge (C)	Loring (C), Sprucedale (C)
Patricia				Connell (C), Red Lake (C)
Rainy River		Fort Frances (H), Rainy River (H)		Emo (C)
Sudbury	Sudbury (H), (T)	Capreol (H), Chelmsford, Coniston (C), Copper Cliff (H), Frood Mine, Massey (C), Webbwood		Chapleau (H), Espanola (C)
Thunder Bay	Fort William (CI) (CT) Port Arthur (CT)	Geraldton (H)		Nipigon (C), Schreiber (C)
Timiskaming		Charlton, Cobalt (H), Englehart (H), Haileybury (H), Latchford, New Liskeard (H)	Thornloe	Kirkland Lake (ACT), Matachewan (C)



# TABLE 43—PUBLICATIONS OF THE DEPARTMENT OF EDUCATION PROVINCE OF ONTARIO

As of July 1st, 1947

The year or years in which the latest revision was printed are shown in each case.

## A. Courses of Study

### Junior Kindergarten to Grade VIII

1. *Programme for Junior and Senior Kindergarten and Kindergarten Primary Classes of the Public and Separate Schools, 1944.*
2. *Programme of Studies for Grades I to VI of the Public and Separate Schools, 1941.*
3. *Additional book lists, 1941, 1944.*
4. *Programme of Studies for Grades VII and VIII of the Public and Separate Schools, 1942.*
5. *Additional book lists, 1943, 1944.*
6. *Programme for Religious Education in the Public Schools, 1944*

### Grades IX to XIII

7. *Circular H.S. 1, Instructions relating to Subjects of Study, Grades IX to XIII for 1947-48. Outlines subjects of various courses leading to Intermediate Certificates, Secondary School Graduation Diplomas and Secondary School Honour Graduation Diplomas.*
8. *Circ. H.S. 1B, General Statement re Courses of Study, Grades IX to XIII, 1947-48. Lists Circular Numbers and Titles of the various Courses of Study and includes Grade XIII Courses in English.*
9. *Circ. H.S. 2, Art, Grades IX to XII, General and Academic, 1940, 1944, 1946.*
10. *Circ. H.S. 3, Commercial Courses, Grades IX to XII.*
11. *Circ. H.S. 4, English, Grades IX to XII, 1942, 1946.*
12. *Circ. H.S. 4A, Suggested Books for Supplementary Reading, Grades IX and X, 1946, 1947.*
13. *Circ. H.S. 4B, Suggested Books for Supplementary Reading, Grades XI and XII, 1941, 1943, 1945.*
14. *Circ. H.S. 5, Physical and Health Education and Cadet Training, Grades IX to XIII, 1946.*
15. *Circ. H.S. 6, Home Economics, General and Commercial Courses and Vocational Courses, Grades IX to XII, 1945, 1946.*
16. *Circ. H.S. 7, Social Studies, Geography, Grades IX to XII, 1943, 1945.*
17. *Circ. H.S. 8, Social Studies, History, Grades IX and X, 1942, 1945, 1946, 1947.*
18. *Circ. H.S. 10, History, Grade XIII, 1945.*
19. *Circ. H.S. 11, Latin and Greek, Grades X to XII, 1942, 1944, 1946.*
20. *Circ. H.S. 12, Mathematics, Grades IX to XII, 1940, 1943.*
21. *Circ. H.S. 12A, Arrangement and Timing of Topics for Mathematics, Grades IX and X, 1946.*
22. *Circ. H.S. 13, Algebra, Geometry, Trigonometry and Statics, Grade XIII, 1940, 1943, 1946.*
23. *Circ. H.S. 15, Modern Languages, Grades IX to XIII, 1945.*
24. *Circ. H.S. 16, Music, Grades IX to XIII, 1943, 1944.*
25. *Circ. H.S. 17, General Science and Agricultural Science, Grades IX to XII, 1943, 1946.*
26. *Circ. H.S. 18, Chemistry and Biology, Grade XIII, 1943, 1944, 1945, 1946.*
27. *Circ. H.S. 18A, Physics, Grade XIII, 1943, 1944, 1946.*
28. *Circ. H.S. 19, General Shop, Grades IX to XII.*
29. *Circ. H.S. 20, Social Studies, History, Grades XI and XII, 1942, 1946.*
30. *Circ. H.S. 20A, Courses of Study in Modern History, Grade XII, revised for 1947-48. Printed in 1947. To be used in conjunction with Circ. H.S. 20.*
31. *Circ. H.S. 21, Guidance (Occupations). Course of Study for Grade IX, and suggestions for Grade XII.*
32. *Circular Tech. 17, Science for Vocational Schools and Departments, Grades XI and XII, 1939, 1943.*
33. *Circular Tech. 40, Shop Courses in Vocational Schools, Grades IX to XII, 1946.*
34. *Circular Tech. 42, Social Studies, History of Commerce and Industry for Vocational Schools and Departments, Grades XI and XII, 1940.*
35. *Circular Elem. H.S. 14, Text Books Authorized and Recommended for 1947-48.*
36. *Circular Elem. H.S. 58, Supplementary Reading Lists for High School Entrance Examinations and Prescriptions in English and Modern Languages for Grades XII and XIII Departmental Examinations.*
37. *Circular 52, Text Books Authorized and Approved for Vocational Schools, 1946.*

**B. Teaching Aids**

## Agriculture

38. *Suggestions for Teaching Agriculture in Elementary Schools, 1945.*

## Art Bulletins

39. *Aids for Teachers in the Use of The Arts and Crafts in General Education, 1946-47.*

## Commercial

40. *Suggested Course of Study for Commercial High Schools and Departments.*

## Home Economics

41. *Circular H.S. 101, Nutrition. A manual for teachers in Secondary Schools, 1943.*

## Library

42. *Teachers Library.*

## Music

43. *Circular Mus. 1, Training the Voices of Children and Adolescents, 1944.*  
 44. *Circular Mus. 2, Music in Rural Schools, 1946.*  
 45. *Circular Mus. 3, School Music Festivals, 1946.*  
 46. *Circular Mus. 4, Introducing Part Singing with Adolescent Boys.*  
 47. *Circular Mus. 5, Memorandum relating to The Teaching of Music in Elementary and Secondary Schools.*  
 48. *Circular Mus. 10, Operettas, Music Plays and Cantatas.*

## Physical and Health Education

49. *Circular H.S. 5A, Introduction to Child Study, 1943. Distributed to schools for teachers' use.*

## Radio

50. *School Radio Broadcasts. October, April, 1947-48.*

## Religious Exercises, Religious Education and Religious Instruction

51. *List of Bible Readings for Schools, 1944.*  
 52. *Hymns for Schools. May be purchased from the publishers, Gordon B. Thompson Ltd., Toronto.*  
 Teachers' Guides to Religious Education. May be purchased from the publishers, The Ryerson Press, Toronto.  
 53. *Grade One, The Friend of Little Children.*  
 54. *Grade Two, Stories of God and Jesus.*  
 55. *Grade Three, Jesus and His Friends.*  
 56. *Grade Four, Servants of God.*  
 57. *Grade Five, Leaders of God's People.*  
 58. *Grade Six, Jesus and the Kingdom.*

**C. Additional Pamphlets**

59. *Beautifying School Grounds.*  
 60. *Circular Elementary 15, The Township School Area in Ontario, 1946.*  
 61. *Visual Education Catalogue, 1944. Supplements, 1945, 1946.*

**D. School Acts**

62. *Department of Education Act.*  
 63. *Public Schools Act.*  
 64. *Auxiliary Classes Act.*  
 65. *Continuation Schools Act.*  
 66. *High Schools Act.*  
 67. *Board of Education Act.*  
 68. *Separate Schools Act.*  
 69. *School Attendance Act.*  
 70. *Vocational Education Act.*  
 71. *School Sites Act.*  
 72. *The Teaching Profession Act, 1944.*  
 73. *The Teachers' and Inspectors' Superannuation Act, 1946.*  
 74. *The Trade Schools Act.*  
 75. *The Public Libraries Act.*  
 76. *The School Law Amendment Acts of 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946.*

**E. Regulations**

- (a) As the following regulations are under revision at present, copies will not be available for distribution for some time.

Regulations respecting,—

77. *Courses of Study for (a) Grades I to VIII. (b) Grades IX to XIII.*
78. *Public and Separate Schools.*
79. *Home Economics in Rural Public and Separate Schools.*
80. *Home Economics in Urban Public and Separate Schools.*
81. *Home Economics in Township School Areas.*
82. *Industrial Arts and Crafts in Rural Public and Separate Schools.*
83. *Industrial Arts and Crafts in Urban Public and Separate Schools.*
84. *Industrial Arts and Crafts in Township School Areas.*
85. *Home Economics and General Shop in Grades IX and X of the Public and Separate Schools.*
86. *Consolidated Schools.*
87. *Auxiliary Classes.*
88. *Permanent Teaching Certificates.*
89. *Medical and Dental Inspection under Public and Separate School Boards.*
90. *Agriculture in Public and Separate Schools.*
91. *Special Legislative Grants for Kindergarten and Kindergarten-Primary Classes.*
92. *Religious Exercises and Religious Education in Public Schools.*
93. *Admission to High, Vocational and Continuation Schools and Collegiate Institutes.*
94. *Continuation Schools.*
95. *High Schools and Collegiate Institutes.*
96. *Home Economics and General Shop in Secondary Schools.*
97. *Agricultural Science in High Schools, Continuation Schools and Collegiate Institutes.*
98. *Departments of Agriculture in Secondary Schools.*
99. *Grade XII Standing.*
100. *Grade XIII Examinations.*
101. *Vocational Schools and Departments.*
102. *Special Industrial Schools for Pupils from Auxiliary Classes.*
103. *Normal Schools.*
104. *The University of Ottawa Normal School.*
105. *Primary School Specialist's Certificates.*
106. *Special Certificates.*
107. *Public School Inspector's Certificates.*
108. *The Ontario School for the Blind.*
109. *The Ontario School for the Deaf.*
110. *Certificates and Diplomas for Pupils of Secondary Schools.*
111. *Supervisory Officers.*
112. *Raising High Schools to Collegiate Institutes.*
113. *Teachers' Institutes.*
114. *Transportation of Pupils.*
115. *Transportation Assistance for Persons Residing in the Territorial Districts.*
116. *Medical Examinations of Teachers.*
117. *Teachers' Contracts.*
118. *School Attendance.*
119. *Adolescent School Attendance.*
120. *Grading of Continuation Schools.*
121. *Public Libraries.*

- (b) The following regulations have been revised and are available for distribution:  
Regulations respecting,—

122. *General Legislative Grants for Public and Separate Schools, Collegiate Institutes, High Schools, Grade A and Grade B Continuation Schools, Vocational Schools and Technical Institutes (Day and Evening). O. Reg. 249/44 and O. Reg. 35/46, 163/46.*
123. *Physical Fitness and Recreation. O. Reg. 77/45, 49/47, 127/47.*
124. *Trade Schools. 292/44.*
125. *The Teaching Profession Act. O. Reg. 60/44, O. Reg. 86/45 and O. Reg. 128/46.*
126. *Teachers' and Inspectors' Superannuation Act. O. Reg. 12/47.*
127. *Auxiliary Classes. O. Reg. 70/47.*

**F. Miscellaneous**

128. *Report of the Minister of Education for 1945.*
129. *Dominion-Provincial Student-Aid Scholarships and Bursaries, 1947-48. Announcement and Conditions of Awards.*
130. *Announcement of Summer Courses, 1947.*
131. *Financial and Statistical Statement, Teachers' and Inspectors' Superannuation Commission, 1945-46.*
132. *Schools and Teachers. Staffs of Public and Separate Schools as of November, 1946.*
133. *Staffs, etc. Staffs of Secondary Schools as of November, 1946.*
134. *Empire Day Booklet, 1947.*
135. *School Year and Holidays, 1947. Form 94.*













UNIVERSITY OF TORONTO  
REPORT  
OF THE  
BOARD OF GOVERNORS  
FOR THE  
YEAR ENDED 30<sup>th</sup> JUNE  
1946

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 12, 1947



ONTARIO

TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1947





# UNIVERSITY OF TORONTO

---

## REPORT

OF THE

## BOARD OF GOVERNORS

FOR THE YEAR ENDED 30TH JUNE, 1946

---

*To His Honour the Lieutenant-Governor-in-Council:*

The Governors of the University of Toronto have the honour to present their fortieth annual report of the financial administration of the University, both for Queen's Park and the Ajax Divisions, together with a comprehensive review by the President of the academic work of the University and its Colleges for the Session 1945-46, and the reports of various officers and departments; these reports covering the first complete year of the University since the close of World War II.

The financial report shows the funds and assets, including investments, receipts and expenditures, etc., as they stood at the close of business at 30th June, 1946, and the certificate of audit of the same by Clarkson, Gordon & Company.

The general revenue for the year amounted to \$3,498,945.05, which together with the Special Legislative Grant of \$1,100,000.00 and the Supplementary Grant of \$200,000.00 made a gross total of \$4,798,945.05. The expenditures under the appropriations made by the Board for salaries (including Wartime Bonus) and maintenance totalled \$4,695,515.88 (exclusive of the Ontario College of Education which is maintained by a separate vote), to which was added \$95,179.40 representing interest written to certain scholarship and trust funds, making a total expenditure of \$4,790,695.28. This resulted in an excess of receipts over expenditures of \$8,249.77 which was written off against the balance carried forward from the previous year. Additional funds totalling \$883,574.91 for research and other purposes were administered during the year.

The University is using its best endeavours to handle the tremendously increased enrolment and the many problems arising therefrom as well as to control the pronounced upward trend in costs.

All of which is respectfully submitted.

W. E. PHILLIPS,  
*Chairman.*

19th March, 1947.

UNIVERSITY OF TORONTO  
INDEX OF FINANCIAL STATEMENTS  
30TH JUNE, 1946

---

		PAGE
	AUDITORS' REPORT.....	5
Statement No.		
1	Balance sheet.....	6
2	Statement of general endowment.....	8
3	Statement of income and expenditure.....	9
4	Analysis of academic departmental expenses.....	11
5	Analysis of building expenses and superintendent's expenses..	15
6	Analysis of general and administrative expenses.....	17
7	Statement of profit or loss of operating departments.....	19
Schedule		
A	Summary of trust investments.....	21
B	Funds received for scholarships, prizes, endowments, etc.— only the income from which may be used.....	23
C	Funds received for scholarships, prizes, etc. which may be expended for the purposes designated.....	27
D	Trust endowments.....	32

## AUDITORS' CERTIFICATE

Toronto, Canada, 17th January, 1947.

*To the Governors of the University of Toronto:*

GENTLEMEN:

We have examined the balance sheet of the University of Toronto (Queen's Park and Ajax Divisions) as at 30th June, 1946 and the statements of general endowment and income and expenditure for the year ended on that date. In connection therewith we examined or tested accounting records of the University and made a general review of the accounting methods and of the operating accounts for the year but did not make a detailed audit of the transactions.

In the attached balance sheet the investment of the University in the Royal Ontario Museum is shown at its book value of \$248,376.30 and recoverable expenditures on alterations and improvements to leased premises at Ajax are shown at \$1,035,747.67. Subject to the determination of what equity, if any, the University has in the Royal Ontario Museum and the recoverability of the expenditures on leased premises at Ajax, we report that in our opinion the accompanying balance sheet and related statements of general endowment and income and expenditure read in conjunction with the footnotes thereto have been drawn up so as to fairly present the state of the University's affairs at 30th June, 1946 and the results of its operations for the year according to the best of our information, the explanations given to us and as shown by the books.

CLARKSON, GORDON & CO.,  
*Chartered Accountants.*

STATEMENT I.  
UNIVERSITY OF TORONTO  
QUEEN'S PARK AND AJAX DIVISIONS

Balance Sheet, 30th June, 1946

I. General Funds

Assets

Current and working assets:

Cash on hand and in bank.....	\$ 1,808,911.70	
Accounts receivable—		
Fees and residence dues (including \$394,231.15 recoverable from Department of Veterans' Affairs).....	\$ 419,167.38	
Connaught Laboratories.....	16,533.81	
Other.....	156,998.57	
		592,699.76
Stores and supplies—at cost.....		90,185.92
Prepaid charges, advances and deposits.....		71,464.69
Total current assets.....		\$ 2,563,262.07

Deferred:

Recoverable expenditures on altering, improving and equipping leased premises at Ajax, Ontario, less \$8,783.13 written off..	\$ 1,035,747.67	
Annuities receivable from the Province of Ontario 5% due 1947 and 1948.....	96,982.61	
		1,132,730.28

Fixed:

Site lands, buildings and properties—at book values.....	\$12,796,858.47	
Properties leased to others—at book values.....	616,416.71	
Unproductive lands—at book values.....	57,812.40	
Investment in Royal Ontario Museum.....	248,376.30	
		13,719,463.88
		<u>\$17,415,456.23</u>

II. Trust Funds

Assets

Trust assets:

Dominion, Provincial and Municipal bonds held against pooled trust liabilities—at market value at 30th June, 1946 includ- ing accrued interest (schedule A).....	\$ 9,868,583.11	
Bonds, shares and mortgage allocated to specific trusts—at cost or values assigned at acquisition (schedule A).....	1,118,508.01	
Uninvested balance due from general funds (per contra).....	2,420.30	
		\$10,989,511.42
Bonds and shares held against trust endowment—at cost plus accrued interest (schedule A).....	\$ 2,071,889.10	
Due from general funds (per contra).....	527,877.59	
		2,599,766.69
Securities held for safekeeping.....		1,057,699.33
		<u>\$14,646,977.44</u>

STATEMENT I.—CONTINUED  
UNIVERSITY OF TORONTO  
QUEEN'S PARK AND AJAX DIVISIONS

Balance Sheet, 30th June, 1946

I. General Funds

Liabilities

Current:

Accounts payable, commitments outstanding and accrued charges.....	\$ 444,850.91	
Deposits.....	33,948.51	
Owing to Royal College of Dental Surgeons.....	50,000.00	
Due to Connaught Laboratories (held for investment).....	217,376.20	
Due to other ancillary and associated bodies.....	86,671.35	
		\$ 832,846.97
Unearned fees and fees paid in advance.....		258,742.30
Provision for alterations to buildings.....		529,151.72
Due to trust funds (per contra)—		
re uninvested balance of pooled and specified trusts.....	\$ 2,420.30	
re trust endowment.....	527,877.59	
		530,297.89
Total current liabilities.....		\$ 2,151,038.88

Deferred:

Annuity debentures payable—4%, 4½% and 5% due 1947 to 1955.....	349,909.11
Reserve for pensions.....	133,000.00

General endowment:

Represented by—

Lands, buildings and annuities receivable less deferred liabilities and reserves.....	\$13,333,537.38	
Expenditures on premises and equipment at Ajax, Ontario..	1,035,747.67	
Excess of current assets over current liabilities.....	412,223.19	
		14,781,508.24
		<u>\$17,415,456.23</u>

II. Trust Funds

Liabilities

Trust liabilities:

Funds received for scholarships, prizes, endowments, research, etc., only the income from which may be used for the purpose designated (schedule B)—

Principal.....	\$ 4,453,065.15
Unexpended income.....	296,894.39
Reserve for guaranteed income.....	260,941.35

\$ 5,010,900.89

Funds received for scholarships, prizes, research, pension fund, new buildings, etc., which may be expended for the purposes designated (schedule C).....

5,978,610.53

\$10,989,511.42

Trust endowment (schedule D).....	2,599,766.69
Securities held for safekeeping (per contra).....	1,057,699.33

\$14,646,977.44

NOTE: The above balance sheet does not incorporate the assets and liabilities of the following ancillary and associated bodies: Connaught Laboratories, Insulin Committee, University of Toronto Press, Toronto Conservatory of Music, The University of Toronto Athletic Association, Hart House, the Health Service, the Royal Ontario Museum and the Ontario College of Education, (except to the extent that securities of certain of these bodies are held for safekeeping and are included in the total amount thereof shown above).



## STATEMENT 2

UNIVERSITY OF TORONTO  
Statement of General Endowment  
Year Ended 30th June, 1946

General endowment at 30th June, 1945..... \$14,346,872.77

## Add:

Reduction of annuity debentures' principal outstanding (being repayment of principal during year ended 30th June, 1946 and principal accrued at 30th June, 1946)..... \$ 130,594.67

Proceeds from sale of Wild Lands, statute 60 Victoria c.59 (R.S.O. 1937 c.372) to 31st March, 1946..... 110.82

Increase in book value of fixed assets in respect of acquisitions included in the expenditures for the year ended 30th June, 1946—

Library books—acquisitions less depreciation..... \$ 34,893.14

Land for Forestry Practice Camp..... 1,875.00

36,768.14

Transferred from reserves provided in prior years—

Reserve for contingencies (investments)..... 172,161.84

Reserve for deferred maintenance..... 95,000.00

Increase in general endowment during year..... 434,635.47

General endowment at 30th June, 1946..... \$14,781,508.24

## Represented by—

Lands, buildings and annuities receivable, less deferred liabilities and reserves..... \$13,333,537.38

Expenditures on premises and equipment at Ajax, Ontario 1,035,747.67

Excess of current assets over current liabilities..... 412,223.19

\$14,781,508.24

## STATEMENT 3

UNIVERSITY OF TORONTO  
QUEEN'S PARK AND AJAX DIVISIONSStatement of Income and Expenditure  
For the Year Ended 30th June, 1946

	Queen's Park division	Ajax division	TOTAL
<b>EXPENSES:</b>			
Academic departmental expenses (statement 4)—			
Salaries and wages .....	\$2,516,188.16	\$ 142,834.79	\$2,659,022.95
Supplies and apparatus .....	212,651.88	36,989.26	249,641.14
Sundry .....	51,215.49	22,675.90	73,891.39
	\$2,780,055.53	\$ 202,499.95	\$2,982,555.48
Less special funds applied .....	181,553.74	.....	181,553.74
	\$2,598,501.79	\$ 202,499.95	\$2,801,001.74
Scientific and special research (less applied from special funds \$19,270) .....	61,998.09	.....	61,998.09
Royal Ontario Museum (half of annual budget) .....	91,000.00	.....	91,000.00
Academic building expenses (statement 5) .....	291,285.46	61,521.06	352,806.52
Provision for alterations to buildings .....	529,151.72	.....	529,151.72
Written off recoverable expenditures on leased premises at Ajax .....	.....	8,783.13	8,783.13
General and administrative expenses (statement 6) .....	429,137.38	21,933.85	451,071.23
Net loss of operating departments (statement 7) .....	199,454.44	91,096.01	290,550.45
Principal and interest on borrowings and interest allowed on uninvested trust funds .....	204,332.40	.....	204,332.40
	\$4,404,861.28	\$ 385,834.00	\$4,790,695.28
<b>INCOME:</b>			
Fees .....	\$1,699,587.58	\$ 262,334.00	\$1,961,921.58
Statutory grants—Province of Ontario .....	517,000.00	.....	517,000.00
Interest and rentals received .....	190,269.98	.....	190,269.98
Miscellaneous income .....	128,916.95	.....	128,916.95
	\$2,535,774.51	\$ 262,334.00	\$2,798,108.51
DEFICIT FROM OPERATIONS .....	\$1,869,086.77	\$ 123,500.00	\$1,992,586.77
Less profit from sale of investments .....	106,733.00	.....	106,733.00
TOTAL DEFICIT .....	\$1,762,353.77	\$ 123,500.00	\$1,885,853.77
<b>SUPPLEMENTARY GRANTS:</b>			
Province of Ontario—			
Special grant .....	\$1,100,000.00	.....	\$1,100,000.00
Supplementary grant .....	200,000.00	.....	200,000.00
Department of Veterans' Affairs (Dominion Government) .....	470,603.54	\$ 123,500.00	594,103.54
	\$1,770,603.54	\$ 123,500.00	\$1,894,103.54
BALANCE TRANSFERRED TO DEFICIT ACCOUNT .....	\$ 8,249.77	\$ Nil	\$ 8,249.77

## STATEMENT 3—CONTINUED

UNIVERSITY OF TORONTO  
QUEEN'S PARK AND AJAX DIVISIONSStatement of Income and Expenditure  
For the Year Ended 30th June, 1946

## NOTE:

- (1) The above statement does not include the income and expenditure of the following ancillary and associated bodies:  
Connaught Laboratories, Insulin Committee, University of Toronto Press, Toronto Conservatory of Music, University of Toronto Athletic Association, Hart House, the Health Service, Royal Ontario Museum and the Ontario College of Education.
- (2) The above statement does not include expenditures of \$1,035,747.67 on alterations and improvements to leased premises at Ajax which have been carried forward (see balance sheet).
- (3) Operating expenses shown above include net additions to the library inventory valued at \$34,893.14 and the cost of a Forestry Practice Camp of \$1,875.

Statement of Deficit  
Year Ended 30th June, 1946

	Queen's Park division	Ajax division	TOTAL
Balance 30th June, 1945.....	\$8,249.77	.....	\$8,249.77
Less transferred from statement of income and expenditure (as above).....	8,249.77	.....	8,249.77
Balance 30th June, 1946.....	<u>\$ nil</u>	<u>\$ nil</u>	<u>\$ nil</u>

STATEMENT 4  
UNIVERSITY OF TORONTO  
QUEEN'S PARK DIVISION

Analysis of Academic Departmental Expenses  
Year Ended 30th June, 1946

	Salaries, wages, etc.	Supplies and apparatus	Miscel- laneous	TOTAL	Special funds applied (Credit)
UNIVERSITY COLLEGE:					
Administration.....	\$ 13,247.53	\$ 930.69	\$ 438.68	\$ 144,616.90	\$ .....
Classics.....	35,611.31	126.46	.....	35,737.77	.....
English.....	40,144.89	28.96	.....	40,173.85	.....
French.....	41,536.32	189.00	15.38	41,740.70	.....
German.....	20,812.63	31.88	.....	20,844.51	.....
Oriental languages.....	21,357.32	55.45	.....	21,412.77	.....
Ethics.....	2,201.99	.....	.....	2,201.99	.....
	\$ 174,911.99	\$ 1,362.44	\$ 454.06	\$ 176,728.49	.....
FACULTY OF ARTS, ETC.:					
Dean's office.....	\$ 1,100.16	\$ .....	\$ .....	\$ 1,100.16	.....
Anthropology.....	8,987.70	8.30	.....	8,996.00	.....
Archaeology.....	8,928.60	196.86	.....	9,125.46	.....
Astronomy.....	16,468.24	872.13	44.22	17,384.59	.....
Botany.....	72,850.32	5,056.29	751.30	78,657.91	.....
Chemistry.....	99,557.31	15,857.38	344.97	115,759.66	.....
Fine Art.....	13,823.00	777.67	89.63	14,690.30	.....
Geography.....	16,224.58	561.60	106.09	16,892.27	.....
Geology and Mineralogy.....	43,103.30	1,856.25	277.46	45,237.01	.....
History.....	57,831.09	121.51	58.18	58,010.78	.....
Italian and Spanish.....	36,030.36	18.90	2.72	36,051.98	.....
Mathematics.....	68,939.14	394.72	31.70	69,365.56	.....
Military studies.....	4,082.43	45.10	1.80	4,129.33	.....
Philosophy.....	29,472.58	24.57	8.00	29,505.15	.....
Physics (including Geo-Physics).....	115,884.05	10,840.30	975.73	127,700.08	.....
Political Economy.....	92,108.41	367.39	791.45	93,267.25	.....
Psychology.....	45,201.86	2,065.55	101.55	47,368.96	.....
Summer course in Arts.....	29,174.33	.....	.....	29,174.33	.....
Zoology.....	89,568.19	13,243.70	1,038.11	103,850.00	.....
	\$ 849,335.65	\$ 52,308.22	\$ 4,622.91	\$ 906,266.78	.....
Faculty of Household					
Science.....	39,510.12	3,024.62	186.41	42,721.15	3,741.10
Faculty of Music.....	7,660.23	120.00	.....	7,780.23	2,000.00
School of Law.....	26,392.33	117.40	.....	26,509.73	.....
School of Social Work.....	37,809.73	2,667.50	1,276.74	41,753.97	.....
Institute of Child Studies	20,497.42	8,775.73	408.45	29,681.60	23,136.93
	\$ 981,205.48	\$ 67,013.47	\$ 6,494.51	\$1,054,713.46	\$ 28,878.03

Forward—

STATEMENT 4—CONTINUED  
UNIVERSITY OF TORONTO  
QUEEN'S PARK DIVISION  
Analysis of Academic Departmental Expenses  
Year Ended 30th June, 1946

	Salaries, wages, etc.	Supplies and apparatus	Miscel- laneous	TOTAL	Special funds applied (Credit)
Forward—					
FACULTY OF MEDICINE, ETC.:					
Administration.....	\$ 16,083.56	\$ 2,672.99	\$ 590.16	\$ 19,346.71	\$.....
Anatomy.....	50,570.44	4,736.09	367.11	55,673.64	200.00
Art Service.....	7,324.70	485.22	.....	7,809.92	.....
Bio-Chemistry.....	40,668.30	3,993.15	169.93	44,831.38	.....
Hygiene and Preventive Medicine.....	26,153.68	2,157.11	334.71	28,645.50	.....
Medical Jurisprudence...	387.37	.....	.....	387.37	.....
Medicine and Clinical Medicine.....	40,297.86	2,391.75	74.85	51,764.46	23,392.90
Obstetrics and Gynaecology.....	13,771.68	191.59	.....	13,963.27	.....
Ophthalmology.....	4,530.26	110.37	.....	4,640.63	.....
Oto-Laryngology.....	3,347.31	114.19	.....	3,461.50	.....
Paediatrics.....	10,541.57	1,266.75	110.32	11,918.64	8,877.07
Pathological Chemistry...	23,580.47	1,755.15	112.53	25,448.15	.....
Pathology and Bacteriology.....	60,160.37	4,258.73	643.05	65,062.15	.....
Pharmacy and Pharmacology.....	22,146.66	1,762.85	97.49	24,007.00	.....
Physiology.....	39,353.67	2,865.69	413.48	42,632.84	200.00
Post-graduate course....	2,171.85	.....	45.25	2,217.10	.....
Psychiatry.....	7,045.94	.....	.....	7,045.94	.....
Radiology.....	2,720.90	1,000.00	.....	3,720.90	.....
Special lectures.....	620.72	.....	.....	620.72	.....
Summer Session.....	3,574.97	250.00	.....	3,824.97	.....
Surgery and Clinical.....	40,214.78	978.53	146.85	41,340.16	.....
Therapeutics.....	6,435.22	234.43	39.11	6,708.76	.....
Special funds not allocat- ed to departments.....	.....	.....	.....	.....	43,922.19
	\$ 430,702.28	\$ 31,221.59	\$ 3,141.84	\$ 465,071.71	\$ 76,592.16
School of Hygiene.....	41,902.38	.....	.....	41,902.38	28,685.13
Administration.....	.....	519.61	577.78	1,097.42	.....
Epidemiology and Biometrics.....	.....	255.95	30.00	285.95	.....
Physiological Hygiene.....	.....	3,360.70	199.38	3,560.08	.....
Chemistry in relation to Hygiene.....	.....	432.27	.....	432.27	.....
Public Health Adminis- tration.....	.....	132.28	.....	132.28	.....
Nutrition.....	.....	210.46	.....	210.46	.....
Parasitology.....	.....	201.14	6.07	207.21	.....
	\$ 472,604.66	\$ 36,337.03	\$ 3,958.07	\$ 512,899.76	\$ 105,277.29

Forward—



STATEMENT 4—CONTINUED  
UNIVERSITY OF TORONTO  
QUEEN'S PARK DIVISION  
Analysis of Academic Departmental Expenses  
Year Ended 30th June, 1946

	Salaries wages, etc.	Supplies and apparatus	Miscel- laneous	TOTAL	Special funds applied (Credit)
Forward—					
FACULTY OF APPLIED SCIENCE AND ENGINEER- ING:					
Dean's office . . . . .	\$ 8,340.82	\$ . . . . .	\$ . . . . .	\$ 8,340.82	\$ . . . . .
Secretary's office . . . . .	16,285.47	2,873.99	400.38	19,559.84	. . . . .
Applied physics . . . . .	21,013.51	2,660.35	842.11	24,515.97	. . . . .
Architecture, School of . .	25,207.07	1,154.79	199.62	26,561.48	. . . . .
Chemical Engineering and Applied Chemistry	66,149.59	7,825.36	222.40	74,197.35	. . . . .
Civil Engineering—					
Municipal and					
Structural . . . . .	37,833.30	1,305.26	116.93	39,255.49	. . . . .
Survey and Geodesy . . .	28,348.06	1,478.90	109.02	29,935.98	. . . . .
Electrical Engineering . . .	61,875.20	6,808.85	148.96	68,833.01	. . . . .
Engineering Drawing . . . .	39,409.84	592.60	28.51	40,030.95	. . . . .
Mechanical Engineering . .	66,418.96	4,927.86	149.87	65,496.69	. . . . .
Metallurgical Engineering .	26,804.24	5,761.14	244.48	32,812.86	. . . . .
Mining Engineering . . . . .	29,363.42	954.99	141.58	30,459.99	. . . . .
Special lectures . . . . .	1,443.88	. . . . .	. . . . .	1,443.88	. . . . .
Summer course in					
Applied Science . . . . .	9,999.60	770.57	. . . . .	10,770.17	. . . . .
Photographic service . . . .	14,147.15	10,164.30	7.31	24,318.76	. . . . .
Special funds not allocat- ed to departments . . . . .					25,000.00
	\$ 446,640.11	\$ 47,281.96	\$ 2,611.17	\$ 496,533.24	\$ 25,000.00
FACULTY OF DENTISTRY . . .	\$ 132,790.46	\$ 27,836.20	\$ 1,315.36	\$ 161,942.02	\$ . . . . .
FACULTY OF FORESTRY . . . .	33,017.64	1,525.57	7,393.59	41,936.80	1,281.67
SCHOOL OF NURSING . . . . .	69,774.99	18,668.93	4,557.64	93,001.56	18,706.28
SCHOOL OF PHYSICAL AND HEALTH EDUCATION . . . . .	24,753.39	639.02	771.96	26,164.37	. . . . .
SCHOOL OF CHINESE STUDIES . . . . .	9,530.53	404.25	18.38	9,953.16	. . . . .
SCHOOL OF GRADUATE STUDIES . . . . .	5,310.68	534.50	38.10	5,883.28	. . . . .
INSTITUTE OF INDUSTRIAL RELATIONS . . . . .	5,177.84	442.42	198.89	5,819.15	2,410.47
UNIVERSITY EXTENSION AND PUBLICITY . . . . .	160,470.39	10,606.09	23,403.76	194,480.24	. . . . .
TOTAL . . . . .	\$2,516,188.16	\$ 212,651.88	\$ 51,215.49	\$2,780,055.53	\$ 181,553.74

NOTE: The above figures for salaries, wages, etc. include the wartime bonus and the University's contribution to the pension fund applicable to academic employees: these have been apportioned rateably to the various departments, faculties, schools, etc.

STATEMENT 4A  
UNIVERSITY OF TORONTO  
AJAX DIVISION

**Analysis of Academic Departmental Expenses**  
**Period Ended 30th June, 1946**

Departments	Salaries	Supplies	TOTAL
Architecture.....	\$ 6,197.50	\$ 275.62	\$ 6,473.12
Chemical Engineering.....	42,271.91	30,662.79	72,934.70
Civil Engineering M. & S.....	13,700.00	.....	13,700.00
Civil Engineering S. & G.....	4,058.35	133.47	4,191.82
Electrical Engineering.....	6,125.00	208.31	6,333.31
Engineering Drawing.....	38,693.55	1,231.75	39,925.30
Mechanical Engineering.....	1,700.00	.....	1,700.00
Geological Sciences.....	1,950.00	.....	1,950.00
Physics.....	4,088.00	.....	4,088.00
Political Economy.....	800.00	.....	800.00
Mathematics.....	13,440.00	.....	13,440.00
Special Lectures.....	300.00	.....	300.00
Director of Studies Office & Technical Library..	8,111.91	4,401.52	12,513.43
Circulating Library.....	1,398.57	75.80	1,474.37
	<u>\$142,834.79</u>	<u>\$36,989.26</u>	<u>\$179,824.05</u>

Superintendent's charges:

Transportation and superintendent's expenses charged to Academic Department.....	22,675.90
	<u>\$202,499.95</u>

STATEMENT 5  
UNIVERSITY OF TORONTO  
QUEEN'S PARK DIVISION  
Analysis of Building Expenses and Superintendent's Expenses  
Year Ended 30th June, 1946

	Salaries and wages	Materials and supplies	Miscel- laneous	Charged to outside organizations and revenue (credit)	TOTAL
Alterations and equipment.....	\$.....	\$ 21,780.90	\$.....	\$.....	\$ 21,780.90
Heat and power.....		34,364.12			34,364.12
Central power plant.....	29,117.88	104,095.65	55,990.72	69,144.59	120,059.66
Gas, city current and occasional fuel.....		7,964.88			7,964.88
Water.....		10,481.47			10,481.47
Cleaning and janitors.....	147,815.37				147,815.37
Repairs and renewals.....	77,367.92				77,367.92
Workmen's compensation.....			3,176.68		3,176.68
Telephones.....	5,850.36		11,281.97		17,132.33
Grounds.....	17,224.29	3,004.89	1,733.71		21,962.89
Protective service.....	22,932.86	276.45			23,209.31
Post office.....	5,591.10		24.50	1,553.36	4,062.24
Stores.....	5,250.00				5,250.00
Administration.....	43,125.44	2,064.72	581.56		45,771.72
	<u>\$ 354,275.22</u>	<u>\$ 184,033.08</u>	<u>\$ 72,789.14</u>	<u>\$ 70,697.95</u>	<u>\$ 540,399.49</u>

Less expenses not allocated to specific buildings (transferred to  
general administration—statement 6):

Telephone.....	\$16,215.30	
Grounds.....	21,962.89	
Protective service.....	23,209.31	
Stores.....	5,250.00	
Administration.....	45,771.72	
Post office.....	4,062.24	
Workmen's compensation.....	3,176.68	
	<u>119,648.14</u>	

Expenses allocated to specific building..... \$420,751.35

Less building expenses and superintendent's expenses allocated  
directly to—

Administrative buildings (statement 6).....	\$ 24,102.89	
Buildings used by operating departments (statement 7) ..	105,363.00	
	<u>129,465.89</u>	

Balance of expenses applicable to academic buildings (to statement 3)..... \$291,285.46

STATEMENT 5A  
UNIVERSITY OF TORONTO  
AJAX DIVISION  
Academic Building Expenses  
Period Ended 30th June, 1946

## Superintendent's expenses:

Heat.....	\$32,972.99
Electricity.....	1,587.13
Water.....	484.33
Sewage.....	270.92
Garbage collection.....	519.13
Fire protection.....	872.42
Protective service.....	2,432.64
Grounds service.....	3,299.44
	<u>\$42,439.00</u>

## Direct charges:

Cleaning.....	12,410.10
Repairs and renewals.....	6,671.96
	<u>\$61,521.06</u>

## STATEMENT 6

## UNIVERSITY OF TORONTO

## QUEEN'S PARK DIVISION

## Analysis of General and Administrative Expenses

Year Ended 30th June, 1946

	Salaries and wages	Supplies	Miscel- laneous	Total
President's office.....	\$ 16,871.50	\$ 3,657.98	\$ 567.24	\$ 21,096.72
Comptroller's office.....	5,631.19	95.14	102.01	5,828.34
Bursar's office.....	65,112.43	5,019.12	3,335.45	73,467.00
Registrar's office.....	51,874.21	7,624.54	3,237.42	62,736.17
Audit.....			3,000.00	3,000.00
Insurance.....			9,547.39	9,547.39
Legal.....			2,484.86	2,484.86
Taxes.....			7,215.80	7,215.80
Unemployment insurance.....			4,329.33	4,329.33
Convocation expenses (including receptions).....	95.63	360.51	1,140.00	1,596.14
Examinations.....	15,085.51	13,229.87		28,315.38
Hart House—warden's salary.....	5,000.00			5,000.00
Pensions and retiring allowances (administrative staff).....	49,469.66			49,469.66
Vacation pay (non-permanent employees).....	4,541.93			4,541.93
Wartime bonus (non-academic employees).....	24,142.99			24,142.99
Building expenses applicable to academic buildings.....			24,102.89	24,102.89
Advisory board.....	9,543.99	661.40	183.01	10,388.40
Bursaries.....			11,760.00	11,760.00
Contingencies.....			8,204.07	8,204.07
Publications and societies.....			4,297.56	4,297.56
Receptions to societies and university visitors.....			3,664.31	3,664.31
Russian studies.....			348.64	348.64
Travelling expenses.....			3,168.77	3,168.77
Purchases from War Assets.....		6,399.89		6,399.89
Received from O.V.C., O.A.C. and O.C.E. for degrees, etc.....			6,871.00 Cr.	6,871.00 Cr.
	\$ 247,369.04	\$ 37,048.45	\$ 83,817.75	\$ 368,235.24

Building and superintendent's expenses not allocated to specific  
buildings (from statement 5)—

Telephone.....	\$16,215.30
Grounds.....	21,962.89
Protective service.....	23,209.31
Stores.....	5,250.00
Administration.....	45,771.72
Post office.....	4,062.24
Workmen's compensation.....	3,176.68

119,648.14

Total general and administrative expenses..... \$487,883.38  
Less charged to operating departments..... 38,746.00

Balance transferred to statement of income and expenditure (statement 3) \$429,137.38



STATEMENT 6A  
UNIVERSITY OF TORONTO  
AJAX DIVISION  
Analysis of General and Administrative Expenses  
Period Ended 30th June, 1946

Director's office .....	\$ 6,429.27
Bursar's office .....	14,860.34
Superintendent's office and stores .....	19,557.02
Administration buildings—cleaning .....	3,284.47
—repairs and renewals .....	7,045.57
Rental of Ajax property .....	25,000.00
Unemployment insurance .....	2,736.94
Workmen's compensation .....	970.63
Pensions and retiring allowances .....	713.68
Insurance (except vehicles) .....	1,199.14
Audit and legal fees .....	2,114.71
Sundry .....	1.00
General contingencies .....	200.00
Vacation pay .....	141.83
	<u>\$84,254.60</u>
Less:	
Charged directly to outside organizations for work done .....	\$ 412.77
Charged to—	
Operating departments (statement 7A) .....	40,403.43
Superintendent's expenses .....	<u>21,504.55</u>
	<u>62,320.75</u>
Balance of expenses transferred to statement 3 .....	<u><u>\$21,933.85</u></u>

STATEMENT 7  
UNIVERSITY OF TORONTO  
QUEEN'S PARK DIVISION  
Statement of Profit or Loss of Operating Departments  
Year Ended 30th June, 1946

	Direct expenses								Loss or profit (Cr.) from operations
	Salaries and wages	Materials and supplies	Miscel- laneous	Total direct	Building expense	Adminis- tration expense	Total expense	Income	
Library .....	\$ 87,363.57	\$49,053.26	\$ 1,444.84	\$137,861.67	\$ 11,608.61	\$20,493.13	\$169,963.41	\$ 76,339.42	\$ 93,623.99
Men's residences:									
University residences .....					\$ 21,140.34	\$ 2,898.45	\$ 24,038.79	\$ 19,335.35	\$ 4,703.44
University College residences .....					7,291.34	999.68	8,291.02	3,589.70	4,701.32
78 Queen's Park .....					8,082.05	1,108.09	9,190.14	6,203.95	2,986.19
					\$36,513.73	\$ 5,006.22	\$ 41,519.95	\$ 29,129.00	\$ 12,390.95
Women's residences:									
Whitney Hall .....	\$ 31,431.61	\$44,821.80	\$ 7,203.44	\$ 83,456.85	9,920.57	\$12,802.51	\$106,179.93	\$ 75,538.00	\$ 30,641.93
Hutton House .....	1,256.36	452.21	4,678.46	6,387.03	2,910.63	1,274.75	10,572.41	12,894.70	2,322.29 Cr.
5 Willcocks Street .....	896.06	183.20	1,253.98	2,333.24	1,660.25	547.53	4,541.02	7,703.00	3,161.98 Cr.
146 St. George Street .....	894.48	225.69	1,038.14	2,158.31	1,300.83	474.27	3,933.41	6,862.00	2,928.59 Cr.
	\$ 34,478.51	\$45,682.90	\$14,174.02	\$ 94,335.43	\$ 15,792.28	\$15,099.06	\$125,226.77	\$102,997.70	\$ 22,229.07
Women's Union .....	\$ 999.14	\$ 344.46	\$ 401.22	\$ 1,744.82	\$ 7,353.68	\$ 1,247.45	\$ 10,345.95	\$ 15,333.67	\$ 4,987.72 Cr.
Athletics, Physical Training, etc.:									
Men's .....	\$ 31,168.92	\$ 2,400.30	\$ .....	\$ 33,569.22	\$ 29,984.98	\$ 8,713.60	\$ 72,267.80 }	\$ 17,112.00	\$ 69,774.20
Women's .....	8,259.05	320.35	166.69	8,746.09	4,109.72	1,762.59	14,618.40 }		
	\$ 39,427.97	\$ 2,720.65	\$ 166.69	\$ 42,315.31	\$ 34,094.70	\$10,476.19	\$ 86,886.20	\$ 17,112.00	\$ 69,774.20
Health Service .....	\$ 39,918.97	\$ 1,952.81	\$ 4,982.41	\$ 46,854.19	\$ .....	\$ 6,423.95	\$ 53,278.14	\$ 46,854.19	\$ 6,423.95
TOTAL .....	\$202,188.16	\$99,754.08	\$21,169.18	\$323,111.42	\$105,363.00	\$58,746.00	\$487,220.42	\$287,765.98	\$199,454.44

STATEMENT 7A  
UNIVERSITY OF TORONTO  
AJAX DIVISION  
Statement of Profit and Loss of Operating Departments  
Period Ended 30th June, 1946

	Revenue	Direct charges	Superintendent's direct expenditures	Profit or loss (Dr.) before overhead	Administrative overhead (statement 6A)	Superintendent's indirect costs	Net profit or loss (Dr.)
Hart House and personal services:							
General and buildings.....	\$ 12,827.99	\$ 9,095.10	\$ 2,648.46	\$ 1,084.43	\$ 1,290.82	\$ 9,163.85	Dr. \$ 9,370.24
Tuck shop.....	53,791.58	49,485.49	.....	4,306.09	5,439.27	.....	Dr. 1,133.18
Barber shop.....	2,086.69	2,006.82	.....	79.87	220.58	.....	Dr. 140.71
Shoe repair shop.....	1,485.31	1,824.42	.....	339.11	Dr. 200.53	.....	Dr. 539.64
Cleaning and pressing shop.....	1,398.16	1,256.90	.....	141.26	138.16	.....	3.10
Bowling alley.....	1,951.45	1,338.53	.....	612.92	147.13	.....	465.79
Motion pictures.....	697.35	637.03	.....	60.32	70.02	.....	Dr. 9.70
Billiards.....	285.20	329.67	.....	44.47	Dr. 36.23	.....	Dr. 80.70
	<u>\$ 74,523.73</u>	<u>\$ 65,973.96</u>	<u>\$ 2,648.46</u>	<u>\$ 5,901.31</u>	<u>\$ 7,542.74</u>	<u>\$ 9,163.85</u>	<u>Dr. \$10,805.28</u>
Housing and food service:							
Student residences.....	\$ 81,388.45	\$ 4,323.10	\$46,294.65	\$30,770.70	\$ 5,563.73	\$38,691.19	Dr. \$13,484.22
Employees' residences.....	5,507.66	.....	5,378.25	129.41	591.16	3,571.88	Dr. 4,033.63
Tenant buildings.....	2,766.03	.....	1,719.61	1,046.42	189.01	1,100.46	Dr. 243.05
Cafeteria.....	199,529.47	180,654.61	2,630.47	16,244.39	20,146.07	21,359.45	Dr. 25,261.13
Arbor Lodge.....	21,044.40	22,734.72	842.24	2,532.56	Dr. 2,591.50	3,219.14	Dr. 8,343.20
	<u>\$310,236.01</u>	<u>\$207,712.43</u>	<u>\$56,865.22</u>	<u>\$45,658.36</u>	<u>\$29,081.47</u>	<u>\$67,942.12</u>	<u>Dr. \$51,365.23</u>
Health service.....	\$ 7,293.96	\$ 11,204.18	\$ 1,210.94	\$ 5,121.16	Dr. \$ 1,363.03	\$ 2,068.86	Dr. \$ 8,553.11
Sundry:							
Laundry.....	\$ 12,701.32	\$ 14,687.28	\$ 127.52	\$ 2,113.48	Dr. \$ 1,628.39	\$ 4,551.52	Dr. \$ 8,293.39
Athletics.....	6,404.00	5,800.51	1,366.22	762.73	Dr. 787.74	10,528.53	Dr. 12,079.00
	<u>\$411,159.02</u>	<u>\$305,378.36</u>	<u>\$62,218.36</u>	<u>\$43,562.30</u>	<u>\$40,403.43</u>	<u>\$94,254.88</u>	<u>Dr. \$91,096.01</u>

SCHEDULE A  
UNIVERSITY OF TORONTO  
Summary of Trust Investments  
(Excluding investments held for safekeeping)  
30th June, 1946

Dominion, Provincial and Municipal bonds held against pooled trust liabilities—at market value at 30th June, 1946 including accrued interest

Issued by	Par value	Market value	Accrued interest
Dominion of Canada.....	\$5,428,800.00	\$5,699,880.28	\$51,435.23
Guaranteed by the Dominion of Canada.....	514,500.00	544,468.75	7,070.98
Provinces.....	2,698,400.00	2,827,562.45	29,646.37
Guaranteed by provinces.....	320,500.00	404,730.00	6,297.01
Cities (including guaranteed by cities).....	198,000.00	216,690.00	2,781.27
Towns.....	12,589.80	15,255.90	144.63
Counties.....	21,245.31	27,033.52	850.29
Townships.....	1,038.09	1,041.09	28.65
Other.....	33,300.00	33,480.00	183.69
		\$9,770,144.99	\$98,438.12
Accrued interest.....		98,438.12	
		<u>\$9,868,583.11</u>	

Bonds, shares and mortgage allocated to specific trusts at cost or values assigned at acquisition

BONDS	Issued by	Par value	Cost or value assigned at acquisition
	Dominion of Canada.....	\$ 361,750.00	\$ 362,056.79
	Guaranteed by the Dominion of Canada.....	262,000.00	263,571.62
	Provinces.....	68,000.00	68,531.31
	Cities.....	107,000.00	107,058.68
	Towns.....	8,000.00	7,977.35
	Other.....	178,544.04	177,446.04
			\$ 986,641.79
SHARES			
Various preferred and common shares.....			129,666.22
MORTGAGE.....			2,200.00
			<u>\$1,118,508.01</u>

Bonds and shares held against trust endowments at cost plus accrued interest

BONDS	Issued by	Par value	Cost	Accrued interest
	Dominion of Canada.....	\$1,257,850.00	\$1,277,084.08	\$14,138.23
	Guaranteed by the Dominion of Canada.....	51,000.00	53,671.55	814.38
	Provinces.....	545,600.00	544,362.95	8,164.95
	Guaranteed by provinces.....	77,500.00	78,399.74	1,272.38
	Cities.....	17,740.82	19,838.29	299.88
	Towns.....	17,290.17	44,608.24	433.43
			\$2,017,964.85	\$25,123.25
Accrued interest.....			25,123.25	
			<u>\$2,043,088.10</u>	
SHARES				
Various common shares.....			28,801.00	
			<u>\$2,071,889.10</u>	





## SCHEDULE B

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Endowments, Research, etc.,  
Only the Income From Which May be Used for the Purposes Designated  
30th June, 1946

Name of trust	Trust principal				Trust income					
	Balance 30th June, 1945	Benefactions and other additions	Capital gains, transfers from income, etc.	Disburse- ments	Balance 30th June, 1946	Unexpended income 30th June, 1945	Income earned during year	Expended	Unexpended income 30th June, 1946	Reserve for guaranteed income 30th June, 1946
Harvey Aggett Memorial (Applied Science).....	\$ 1,500.00	\$ .....	\$ .....	\$ .....	\$ 1,500.00	\$ 116.82	\$ 80.92	\$ 75.00	\$ 122.74	\$ 65.25
Aikins (English Literature).....	5,000.00	.....	.....	.....	5,000.00	351.73	309.08	250.00	410.81	367.59
Alexander Lectureship (English Literature).....	13,785.23	.....	.....	.....	13,785.23	3,042.26	840.81	548.30	3,336.77	2,219.19
All Souls' Historical Essay Prize.....	1,747.06	.....	.....	.....	1,747.06	1,491.93	164.81	.....	1,656.74	161.05
Allen-McKellar Memorial (French).....	1,000.00	.....	.....	.....	1,000.00	50.09	37.80	35.00	52.89	54.76
A.A.A.S. Scholarship (Physics).....	2,350.00	.....	.....	.....	2,350.00	.....	117.55	.....	.....	100.60
Ardagh Prize (Chemical Engineering).....	.....	500.00	.....	.....	500.00	.....	53.70	117.55	53.70	26.67
George H. Armstrong (History).....	2,250.00	.....	.....	.....	2,250.00	201.03	116.66	.....	317.69	338.57
Balfour Lectureship (Surgery).....	4,130.00	.....	.....	.....	4,130.00	607.54	170.00	.....	777.54	219.30
Jean Balmer (Science).....	1,014.00	.....	.....	.....	1,014.00	215.01	54.36	50.00	219.37	58.74
Bankers' (Political Science).....	1,200.00	.....	.....	.....	1,200.00	246.59	72.33	65.00	253.92	62.24
Banting Research Foundation.....	752,773.94	28,846.55	.....	28,880.36	752,740.13	.....	.....	.....	.....	.....
Banting Research Foundation (Reserve).....	36,489.44	4,021.13	.....	1,021.13	39,489.44	.....	.....	.....	.....	.....
Margaret W. Bappte (Medicine and Science).....	4,000.00	.....	.....	.....	4,000.00	47.47	241.64	200.00	89.11	283.81
George Bean Memorial Scholarship (U.T.S.).....	500.00	.....	.....	.....	500.00	88.65	37.32	25.00	100.97	89.32
T. H. Bickle Bursary.....	1,000.00	1,000.00	.....	.....	1,000.00	.....	94.81	75.00	19.81	50.85
Blake (Matriculation).....	20,000.00	.....	.....	.....	20,000.00	157.62	35.70	.....	193.32	50.28
Blake (Science and Moderns).....	3,750.00	.....	.....	.....	3,750.00	11,374.22	1,200.00	1,225.00	11,349.22	1,342.04
Booth (University Schools).....	1,000.00	.....	.....	.....	1,000.00	.....	285.00	285.00	.....	160.54
Sara Borsook Bursary.....	1,500.00	.....	.....	.....	1,500.00	.51	84.26	60.04	24.73	23.65
H. K. Box—Medals—Dentistry.....	1,000.00	.....	.....	.....	1,000.00	.....	47.80	.....	47.30	64.21
Reg. N. Boxer, U.T.S. Junior School.....	1,000.00	.....	.....	.....	1,000.00	2.50	50.66	35.20	15.46	49.52
Reg. N. Boxer, U.T.S. Senior School.....	1,000.00	.....	.....	.....	1,000.00	.....	50.66	35.20	15.46	91.93
George Sidney Brett Memorial.....	.....	15,239.09	.....	.....	15,239.09	.....	50.66	35.20	15.46	91.93
Rabbi Brickner (Social Science).....	1,000.00	.....	.....	.....	1,000.00	.....	50.00	50.00	84.11	652.62
Margaret A. Brock (Matriculation, English and History).....	1,000.00	.....	.....	.....	1,000.00	84.11	50.00	50.00	84.11	46.41
George Brown Memorial (Medical Science).....	9,929.50	.....	.....	.....	9,929.50	28.44	80.00	80.00	28.44	.....
George Brown (Modern Languages).....	1,054.82	.....	.....	.....	9,929.50	2,268.99	390.82	.....	2,659.81	654.59
Graham Campbell Psychology Fund.....	.....	3,000.00	.....	.....	1,054.82	73.52	90.00	90.00	73.52	48.30
Walter F. Chappell Prize (Medicine or Surgery).....	500.00	.....	.....	.....	3,000.00	.....	715.95	114.81	601.14	143.86
G. R. R. Cockburn—Matriculation.....	1,000.00	.....	.....	.....	500.00	1.77	41.67	33.35	10.09	21.85
Cody Medals in Medicine.....	1,300.00	.....	.....	.....	1,000.00	50.00	.....	.....	50.00	44.96
Henry John Cody (Matriculation).....	2,500.00	.....	.....	.....	1,300.00	232.25	52.50	34.90	249.83	.....
Florence Cody (Matriculation).....	2,500.00	.....	.....	.....	2,500.00	Dr. 31.13	168.18	182.50	Dr. 45.45	.....
Maurice Cody Memorial (Modern History).....	3,000.00	.....	.....	.....	2,500.00	Dr. 32.87	137.43	150.00	Dr. 45.44	.....
Maurice Cody Memorial Prize (Modern History).....	1,050.00	.....	.....	.....	3,000.00	240.62	92.77	150.00	.....	183.39
Maurice Cody Memorial (University Schools).....	240.00	.....	.....	.....	1,050.00	283.07	44.71	.....	327.78	.....
Arthur Cohen (English Languages and Literature).....	5,000.00	.....	.....	.....	240.00	Dr. 13.25	7.37	20.00	Dr. 25.88	.....
Coleman Medal (Geology).....	1,000.00	.....	.....	.....	5,000.00	172.45	182.16	150.00	204.61	271.59
John Copp Memorial Fund (Medicine).....	5,025.00	.....	.....	.....	1,000.00	73.13	37.25	99	109.39	32.34
Allen Rudyard Crawford (University Schools).....	1,000.00	.....	.....	.....	5,025.00	623.22	183.48	106.00	700.70	299.92
Henry Job Crawford (University Schools).....	1,700.00	.....	.....	.....	500.00	25.00	35.20	25.00	35.20	95.26
R. O. Daly Prize (French).....	1,700.00	.....	.....	.....	1,000.00	149.50	52.74	40.49	161.75	55.67
R. O. Daly—Men's Residence, U.C.	1,300.35	40.48	.....	.....	1,700.00	107.21	58.98	100.00	66.19	96.95
Alfred T. DeLury (Mathematics).....	3,514.06	.....	.....	.....	1,340.83	.....	.....	.....	.....	64.83
Dentistry Class of 1923 Scholarship.....	.....	3,500.00	.....	.....	3,514.06	153.00	149.87	250.00	52.87	185.03
Dentists Supply Company Fellowship.....	.....	2,500.00	.....	.....	3,500.00	.....	.....	.....	.....	149.83
Marion E. Dickenson (Household Science).....	4,000.00	.....	.....	.....	2,500.00	.....	.....	.....	.....	107.02
Dunlap Bequest (Medical Research).....	90,830.85	.....	.....	.....	4,000.00	2,067.88	312.98	.....	2,380.86	304.23
Eaton Endowment (Medicine).....	500,000.00	.....	.....	.....	90,830.85	24,400.42	4,453.27	3,500.00	25,353.69	6,885.97
Margaret Eaton Library Fund.....	10,027.56	.....	.....	.....	500,000.00	20,457.61	11,116.16	12,269.63	19,304.14	22,231.15
Margaret Eaton Library Endowment Fund.....	5,000.00	.....	.....	.....	10,027.56	769.07	367.71	.....	1,136.78	649.84
Erskine Eaton Memorial Scholarship (U.T.S.).....	.....	1,000.00	.....	.....	5,000.00	383.51	184.04	.....	567.55	324.30
Forward.....	.....	.....	.....	.....	1,000.00	.....	10.08	.....	10.08	43.24

## SCHEDULE B—CONTINUED

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Endowments, Research, etc.,  
Only the Income From Which May be Used for the Purposes Designated  
30th June, 1946

Name of trust	Trust principal				Trust income				
	Balance 30th June, 1945	Benefactions and other additions	Capital gains, transfers from income, etc.	Disburse- ments	Balance 30th June, 1946	Unexpended income 30th June, 1945	Income earned during year	Unexpended income 30th June, 1946	Reserve for guaranteed income 30th June, 1946
Forward									
John M. Empey Scholarship (Applied Science).....	10,000.00				10,000.00	408.40	356.06	364.46	515.60
William Erving Fairclough Memorial Fund.....	25,098.90		1,159.45		26,258.35	Dr. 2,445.22	1,162.82	1,250.00	Dr. 2,532.40
Sir Robert Falconer Lectureship.....	17,344.70				17,344.70	1,716.08	603.57	500.00	1,819.65
David Fasken Trust.....	3,000.00				3,000.00	3,571.17	268.82		3,839.99
J. A. Findley (Mechanical Engineering).....	3,000.00				3,000.00	554.05	99.76	60.00	593.81
Sir Joseph Flavell Fellowship.....	50,000.00				50,000.00	3,583.42	1,867.23	1,250.00	4,200.65
Foresters' Club War Memorial Plaque Fund.....	50.00				50.00		1.75		1.75
Forestry Memorial Scholarship.....	2,518.45				2,518.45	1,198.15	126.53	250.00	1,074.68
Alexander T. Fulton (Mathematics and Science).....	3,000.00				3,000.00	351.30	240.00	240.00	351.30
Sir John Gibson (Matriculation).....	2,000.00				2,000.00	2,577.06	248.89	100.00	2,725.95
Gibson (Matriculation).....	4,000.00		255.20		4,255.20	2,270.24	410.54	320.00	2,360.78
Maude Charlton Gibson, U.C. (Household Economics).....	1,511.49				1,511.49	205.88	107.13	50.00	263.01
Archibald Gilchrist (Botany).....	1,000.00				1,000.00	29.12	36.75	20.00	45.87
Glen Mawr Old Girls' Association (English and History).....	2,300.00				2,300.00	5.64	105.43	80.00	31.07
Godfrey Scholarship.....	5,000.00				5,000.00		251.38		251.38
Wm. Goldie Fund in Clinical Research.....		5,000.00			5,000.00		141.03		141.03
Perry Goldsmith (Oto-Laryngology).....	3,841.14		197.41		4,038.58				
Goulstone Foundation—Architecture.....	11,000.00				11,000.00	53.65	387.79		441.44
Grasett Memorial (Classics).....	5,000.00				5,000.00	1,277.75	434.70	250.00	1,462.45
Duncan and John Gray Memorial Lectureship.....		1,000.00			1,000.00		6.82		6.82
John Fraser Gray Scholarship (Arts).....		2,137.80			2,137.80		75.99		75.99
R. & G. Hagarty Scholarship (Applied Science and English).....	2,000.00				2,000.00	159.92	144.33	100.00	204.25
William Hardie (Matriculation).....	2,000.00				2,000.00	400.00	100.00	100.00	400.00
James Harris (Matriculation) (University College).....	25,000.00				25,000.00	1,445.90	1,530.31	1,041.66	1,934.55
Hastings (Public Health and Public Health Nursing).....	10,000.00		3,570.66		13,570.66	4,297.52	805.14		5,102.66
Joseph Henderson Memorial (Matriculation).....	2,000.00				2,000.00	230.03	115.64	80.00	265.67
William John Hendry (Obstetrics).....	3,000.00				3,000.00	Dr. 54.13	100.62	62.00	Dr. 15.51
John Hughes Horton Bequest (Not allocated).....	650.66				650.66	287.34	18.76		306.10
John Hoskin Bequest (Residences).....	14,000.00		481.24		14,481.24	4,409.80	901.11		5,310.91
Anonymous.....		25,000.00			25,000.00		495.20		495.20
Maurice Hutcheon Scholarship.....		25,000.00			25,000.00		495.20		495.20
International Mathematical Congress 1924 (Medals).....	6,761.15				6,761.15	Dr. 576.04	438.04		Dr. 138.00
Herbert W. Irwin Memorial (Modern Languages).....	2,523.95				2,523.95	1,140.71	147.47		1,288.18
Rabbi Isserman Prize (Social Science).....	1,000.00				1,000.00	163.67	53.09	45.00	171.76
Lieutenant K. G. Jeanneret Prize.....	703.87				703.87	249.07	38.12		287.19
W. K. Kellogg Foundation—School of Nursing Fund.....		1,750.00			1,750.00		12.60		12.60
Annie Lewisa Laird (Household Economics).....	750.00	1,110.00		693.00	1,167.00				
Annie Lewisa Laird Scholarship (Household Science).....	2,000.00				2,000.00	49.23	98.50	49.23	
Sir Wilfrid Laurier Memorial (French).....	7,000.00				7,000.00	401.90	216.25	401.90	216.25
Gertrude Lawler Prize (English).....	2,100.00				2,100.00	122.61	100.00	100.00	122.61
Gertrude Lawler Memorial (English and History).....	100.00				100.00	215.97	12.00		227.97
Library Funds: John Squair (French) No. 1.....	3,000.00				3,000.00	425.78	189.93	125.00	490.71
John Squair (French) No. 2.....	1,000.00				1,000.00		40.00	40.00	
Lister, Prize (Surgery).....	1,000.00				1,000.00	367.73	131.60		499.33
Geo. H. Locke Memorial (Library School).....	5,000.00				5,000.00	618.04	316.68		934.72
Lillian Lucas Scholarship (English).....	3,484.28		149.70		3,633.98				390.01
Pearson Kirkman Marfleet Lectureship.....	5,000.00				5,000.00	139.34	139.34		197.08
Meds 214 Scholarship Fund.....	5,000.00				5,000.00	5,679.79	485.33	150.00	209.28
Charles Nickle Fellowship (Medicine).....	3,973.57	2,021.72	160.45		6,155.74				6,165.12
Ellen Nickle Fellowship (Medicine).....	25,000.00				25,000.00	5,233.17	1,225.97	1,153.49	5,335.65
Moss (Classics).....	25,000.00				25,000.00	8,013.70	1,401.64		9,417.34
Forward	2,000.00				2,000.00	60.00	120.00	60.00	120.00

## UNIVERSITY OF TORONTO

Age Group	Percentage of Respondents
18-29	85%
30-49	80%
50-69	75%
70+	70%

Name of trust	Trust principal				Trust income					
	Balance 30th June, 1945	Benefactions and other additions	Capital gains, transfers from income, etc.	Disburse- ments	Balance 30th June, 1946	Unexpended income 30th June, 1945	Income earned during year	Expended	Unexpended income 30th June, 1946	Reserve for guaranteed income 30th June, 1946
Forward										
Mount Sinai Masonic Lodge Silver Jubilee Loan Fund	1,018.00	1,100.00			2,118.00					90.67
Mary Mulock (Classics)	2,000.00				2,000.00	838.74	210.00	210.00	838.74	121.53
William Mulock (Classics and Mathematics)	2,000.00				2,000.00		60.00	60.00		85.62
Mustard (Classics)	3,003.75				3,003.75	478.47	144.40	100.00	522.87	165.04
McCaull Medal (Classics)	500.00				500.00	27.64	25.64	4.95	48.33	26.44
McCaull Scholarship (Classics)	2,500.00				2,500.00	109.18	95.70	75.00	129.88	156.27
McCharles, Aeneas, Prize	10,000.00		226.04		10,226.04	17,631.71	1,427.26		19,058.97	1,957.83
John McCrae (Matriculation)	10,000.00				10,000.00	2,869.95	977.41	275.00	3,572.36	392.10
Caroline Macdonald Bursary Fund	2,817.82				2,817.82	120.58	148.54	100.00	169.12	143.10
John Macdonald (Philosophy)	2,000.00				2,000.00	730.00	100.00		830.00	121.13
Garnet W. McKee-Lachlan Gilchrist Geophysics Scholarships	10,040.00	2,000.00			12,040.00	264.48	465.68	210.00	520.16	623.24
Garnet W. McKee Loan and Scholarship Fund	50,000.00				50,000.00	1,509.71	1,599.60	300.00	2,809.31	2,870.27
Alexander Mackenzie Memorial (Political Science)	16,435.00				16,435.00	602.50	1,200.00	1,200.00	602.50	729.37
J. J. Mackenzie Fellowship (Pathology)	5,000.00				5,000.00	1,398.71	317.23	500.00	1,215.94	257.36
I. S. McLean (Matriculation University College)	5,000.00				5,000.00	4,100.00	1,000.00	900.00	4,200.00	
Sir John Cunningham McLennan Prize (Mathematics and Physics)	300.00				300.00	39.83	11.24	8.00	43.07	19.94
McLennan-MacLeod Memorial Prize (Applied Science)	500.00				500.00	Dr. 12.50	30.20		17.70	35.76
Angus MacMurphy Medal (Law)	1,123.50				1,123.50	34.29	49.15	2.76	80.68	97.74
Alexander McPhedran Research Fellowship (Medicine)	25,028.75		226.04		25,254.79	11,147.27	1,647.12	1,200.00	11,594.39	1,832.81
H. A. McTaggart Prize (Physics)	1,500.00				1,500.00	45.00	52.40	45.00	52.40	77.24
Florence M. Neelands Prize (French)	500.00				500.00	55.50	23.34	20.00	58.84	24.62
Wallace Nesbitt Medals (University Schools)	500.00				500.00	117.86	24.94	13.13	129.67	29.30
Nipissing Mining Research Fellowship	20,550.00				20,550.00	4,216.59	1,883.76	687.50	5,412.85	845.22
Ontario Hockey Association War Memorial (Matriculation)	2,000.00				2,000.00	25.00	100.00	100.00	25.00	86.69
Pakenham Memorial Prize (O.C.E.)	1,000.00				1,000.00	91.07	50.98	29.49	112.56	89.18
George A. Peters (Surgery)	2,500.00				2,500.00	2,121.49	184.85		2,306.34	205.76
T. M. Porter (University Schools)	6,300.00				6,300.00	116.97	264.64	205.60	176.01	312.88
T. M. Porter Memorial Scholarship (Corrigan) (University Schools)	1,099.89				1,099.89		51.75	39.50	12.25	53.55
T. M. Porter Bequest	10,821.11		678.12		11,499.23	4,908.33	743.65		5,651.98	1,594.33
H. W. Price Research Fellowship (Electrical Engineering)	10,000.00				10,000.00	946.78	424.15		1,370.93	658.69
Prince of Wales (Matriculation)	900.00				900.00	100.00	50.00	50.00	100.00	42.81
Quebec Bonne Entente Prize (French)	1,000.00				1,000.00		50.00		50.00	44.95
William Ramsay (Political Economy)	1,009.42				1,009.42	646.27	66.23		712.50	73.71
William Ramsay (Physics)	1,000.00				1,000.00	191.63	59.58	50.00	201.21	51.42
A. C. Ransom (Applied Science)	5,000.00				5,000.00	167.67	252.37	170.00	250.04	435.83
Anne Howe Reeve Prize (Household Science)	625.00				625.00	67.81	27.71		95.52	30.85
R. A. Reeve Bequest (Not allocated)	9,400.00		255.20		9,655.20	8,444.16	986.40	500.00	8,930.56	1,011.36
James H. Richardson Research Fellowship (Anatomy)	10,000.00				10,000.00					428.09
Rockefeller Foundation: Medical Endowment	1,025,312.50		5,877.02		1,031,189.52	18,600.00	52,020.66	43,922.19	26,698.47	48,448.44
Hygiene Endowment	850,000.00		69,918.31		919,918.31	43,552.32	48,150.23	37,445.85	54,256.70	116,388.19
School of Nursing Endowment	250,000.00				250,000.00	703.07	85,864.72	85,615.18	952.61	12,484.29
Julius Rossin (Modern Languages)	1,000.00				1,000.00		60.00	60.00		42.81
Langford Rowell (Law)	1,000.00				1,000.00	12.06	52.40	25.00	39.46	14.69
Langford Rowell (University Schools)	2,000.00				2,000.00	100.00	114.79	200.00	14.79	26.63
R.C.A.M.C. Women's Auxiliary Bursary	2,460.00				2,460.00		139.62		139.62	125.67
Forward										



## SCHEDULE B—CONTINUED

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Endowments, Research, etc.,  
Only the Income From Which May be Used for the Purposes Designated  
30th June, 1946

Name of trust	Trust principal				Trust income					
	Balance 30th June, 1945	Benefactions and other additions	Capital gains, transfers from income, etc.	Disburse- ments	Balance 30th June, 1946	Unexpended income 30th June, 1945	Income earned during year	Expended	Unexpended income 30th June, 1946	Reserve for guaranteed income 30th June, 1946
Forward										
St. Margaret's College Alumnae Scholarship	1,600.12	200.00			1,800.12	94.05	76.57		170.62	104.98
Sigmund Samuel Scholarship (Chinese Studies)	4,000.00				4,000.00	240.00	193.31	160.00	273.31	111.70
Wallace Secombe Memorial Scholarship (Dentistry)	2,008.78				2,008.78	56.47	68.07		124.54	121.45
Dr. Roy Simpson (Scholarship) (Paediatrics)	3,350.00				3,350.00	81.37	132.31	67.00	146.68	169.90
Squair French Prose Prize	250.00				250.00	80.16	10.00	4.16	86.00	14.38
Hugh Innis Strand Memorial (Classics)	2,500.00				2,500.00	651.36	121.36		772.72	179.18
Tracy (Philosophy)	800.00		149.70		949.70	238.85	44.82		283.67	43.66
Vander Smissen (German)	2,500.00				2,500.00	413.41	125.68	90.00	449.09	19.23
Malcolm Wallace Scholarship Fund	19,636.80	162.21			19,799.01		763.81		763.81	997.37
Albert E. Webster Memorial Scholarship Fund (Dentistry)	2,142.90		69.62		2,212.52					124.84
Morley Wickett (Matriculation, English and History)	2,000.00				2,000.00	267.43	98.05	70.00	295.48	11.46
Daniel Wilson (Natural Science)	2,000.00				2,000.00		90.00	90.00		85.62
Wintercorbyn Bequest	9,182.93		3,006.86		12,189.79	3,749.60	700.52	200.00	4,250.12	842.48
Ramsay Wright (Zoology)	18,765.53		4,236.52	600.00	22,402.05					518.25
George M. Wrong (Modern History)	3,138.58		1,200.00		4,338.58	978.11	201.04	300.00	879.15	130.37
Young Memorial (Philosophy)	3,018.74				3,018.74	3,737.05	236.45	300.00	3,673.50	286.49
	\$4,266,313.09	\$126,128.98	\$91,817.57	\$31,194.49	\$4,453,065.15	\$257,109.23	\$244,144.98	\$204,359.82	\$296,894.39	\$260,941.35

## SCHEDULE C

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Research, Pension Fund, New Buildings, etc.,  
Which May be Expended for the Purposes Designated  
30th June, 1946

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Disbursements	Balance 30th June, 1946	Reserve for guaranteed income	TOTAL
Academy of Dentistry	\$ 100.00	\$ .....	\$ .....	\$ .....	\$ 100.00	\$ .....	\$ 100.00
Jay J. Allen Award (Arts)	.....	225.00	.....	75.00	150.00	.....	150.00
Jule Allen Award (Arts)	.....	150.00	.....	150.00	.....	.....	.....
Alumnae Prize in English	30.00	10.00	.....	10.00	30.00	.....	30.00
American Society of Heating and Ventilating Engineers, Research Fund	.....	1,600.00	.....	1,504.03	95.97	.....	95.97
American Society of Heating and Ventilating Engineers Prize (Mechanical Engineering)	.....	25.00	.....	.....	25.00	.....	25.00
School of Architecture—Sample Room	123.83	.....	.....	18.86	104.97	.....	104.97
B. E. Armstrong—U.T.S.	100.00	.....	.....	.....	100.00	.....	100.00
Association of Professional Engineers of Ontario	.....	800.00	.....	400.00	400.00	.....	400.00
Audiometric and Otological Research (Physics)	.....	5,000.00	.....	1,717.10	3,282.90	.....	3,282.90
Mr. and Mrs. J. T. Band Bursaries	.....	500.00	4.64	100.00	404.64	17.32	421.96
Sir Frederick Banting Memorial Fund	297.26	705.00	14.22	.....	1,016.48	43.52	1,060.00
Banting Research Foundation Donation Cancer—Ham	372.55	.....	.....	372.55	.....	.....	.....
Banting Research Foundation Advance—Ferguson and Paul	.....	500.00	.....	.....	500.00	.....	500.00
Barrie Collegiate Institute—Medicine	750.00	.....	.....	.....	750.00	.....	750.00
Big Sister Association Scholarship (Social Work)	.....	350.00	.....	350.00	.....	.....	.....
Bloor District Business Men's Award	.....	250.00	.....	50.00	200.00	45.86	245.86
B'nai B'rith Scholarships	229.18	350.00	.....	412.50	166.68	.....	166.68
Boiler Inspection and Insurance Company (Applied Science)	.....	150.00	.....	150.00	.....	.....	.....
Bristol Myers Fellowship (Dentistry)	.....	5,000.00	.....	.....	5,000.00	.....	5,000.00
British Association for the Advancement of Science	2.09	.....	.....	.....	2.09	.....	2.09
Robert Bruce (Arts and Medicine)	1,131.06	317.52	22.62	400.00	1,071.20	.....	1,071.20
E. Winnie Bruce Picture Fund	54.50	.....	2.01	.....	56.51	3.28	59.79
R. N. Bryson Donation—U.T.S.	.....	100.00	.....	.....	100.00	.....	100.00
Cameron Prize (University College)	25.00	25.00	.....	25.00	25.00	.....	25.00
C.I.L. Fellowship (Chemistry)	.....	750.00	.....	750.00	.....	.....	.....
Canadian Institute of Chemistry, Toronto Branch	142.97	.....	.....	.....	142.97	.....	142.97
Canadian Institute of Steel Construction Fellowship	1,200.00	.....	.....	.....	1,200.00	.....	1,200.00
Canadian Lumbermen's Association Fellowship—Timber Research	1,000.00	.....	.....	500.00	500.00	.....	500.00
Canadian Vocational Training Fund (Social Work)	463.00	3,224.40	.....	3,687.40	.....	.....	.....
Cancer Research Foundation of Ontario Grant—Burton	6,000.00	.....	.....	3,710.45	2,289.55	.....	2,289.55
Ham	4,398.29	.....	.....	3,812.34	585.95	.....	585.95
Mendel-Best	3,248.75	.....	.....	1,705.63	1,543.12	.....	1,543.12
Richards	.....	2,500.00	.....	812.36	1,687.64	162.73	1,850.37
Carnegie Corporation, Educational Research	3,413.56	17,881.86	.....	14,003.46	7,291.96	.....	7,291.96
Carnegie Corporation, Fine Art Professorship	2,499.50	.....	.....	.....	2,499.50	.....	2,499.50
Minnie Carson Bequest	3,579.24	.....	171.51	.....	3,750.75	.....	3,750.75
Class of 1946 Engineering Scholarship	.....	300.00	.....	.....	300.00	.....	300.00
Class of 1930—Mathematics and Physics Bursary	.....	50.00	.....	.....	50.00	.....	50.00
M. M. Cohen Scholarship	.....	200.00	.....	200.00	.....	.....	.....
Arthur H. U. Colquhoun Library of Canadian History Fund	2,064.36	333.33	99.77	.....	2,497.46	116.93	2,614.39
Cominco Research Fellowship	1,200.00	.....	.....	1,180.31	19.69	.....	19.69
Archib B. Crealock Memorial Prize (Civil Engineering)	1.60	50.00	.....	.....	51.00	.....	51.00
James W. Crocker Memorial Loan Fund	1,444.92	40.73	.....	.....	1,485.65	.....	1,485.65
Darling and Pearson Prize (Architecture)	10.20	.....	.....	.....	10.20	.....	10.20
Deborah Assembly No. 5 Bursary	50.00	50.00	.....	50.00	50.00	.....	50.00
Delta Phi Epsilon Bursary	.....	100.00	.....	100.00	.....	.....	.....
Dental Bursary Fund	100.00	.....	.....	.....	100.00	.....	100.00
Dental Research Fund	4,965.42	900.00	.....	2,606.00	3,259.42	.....	3,259.42
Dental Students' Parliament Prize	30.00	90.00	.....	120.00	.....	.....	.....
Dominican Republic Prize (Arts)	.....	70.00	.....	30.00	40.00	.....	40.00
Dominion Board of Insurance Underwriters Prize—Political Economy	400.00	.....	.....	100.00	300.00	.....	300.00
David Dunlap Memorial (Psychology) Forward	1,325.03	3,000.00	.....	316.66	4,008.37	.....	4,008.37



## SCHEDULE C—CONTINUED

## UNIVERSITY OF TORONTO

**Funds Received for Scholarships, Prizes, Research, Pension Fund, New Buildings, etc.,  
Which May be Expended for the Purposes Designated  
30th June, 1946**

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Disbursements	Balance 30th June, 1946	Reserve for guaranteed income	TOTAL
Forward							
Sir J. C. Eaton Memorial, U.T.S.		120.00		120.00			
Margaret Eaton Scholarship—Physical and Health Education	1,000.00	1,000.00		1,000.00	1,000.00		1,000.00
Engineering Alumni Scholarship Committee Fund		1,000.00		904.89	95.11		95.11
Engineering Institute of Canada		25.00			25.00		25.00
Engineering Society Loan Fund	261.01		5.22		266.23		266.23
Faulkner Medal (Psychiatry)	.50	30.00		27.12	3.38		3.38
W. P. Firth Loan Fund		14,000.00	277.31		14,277.31	711.87	14,989.18
Kenneth C. Fisher (Cellular Respiration)	100.03				100.03		100.03
A. L. Fleming Prize	40.00			40.00			
Charles Foster Scholarship on Commerce and Finance	500.00			100.00	400.00		400.00
Harold G. Fox Prizes (Law)	200.00				200.00		200.00
Charles E. Frosst Scholarship	250.00				250.00		250.00
Fulford Estate Donation	3,726.90		74.54		3,801.44		3,801.44
Geological Society of America Grant, Physics—Keevil	34.52				34.52		34.52
Geophysics Research Fund	598.84			7.61	591.23		591.23
Dr. G. E. Gibbon (Bursary, Medicine)	150.00				150.00		150.00
Robin Godfrey Prize (Arts)		50.00			50.00		50.00
Graduate Fellowships (Sundry)	167.00	500.00		500.00	167.00		167.00
Graduate Fellowships—Physics	5,000.00			3,000.00	2,000.00		2,000.00
Graduates' Scholarship in Law		30.00		30.00			
Mary G. Hamilton Fund	879.57			147.58	731.99		731.99
Harris Scholarships in Commerce and Finance	300.00	300.00		300.00	300.00		300.00
Velyien Ewart Henderson Fund		901.36			901.36		901.36
Percy Hermant (Matriculation)		300.00		300.00			
Percy Hermant Scholarship No. 2 (Matriculation)		600.00		300.00	300.00		300.00
Sidney Hermant Loan Fund	275.00	225.00		270.00	230.00		230.00
Hobbs Glass Limited Bursary (Architecture)		250.00			250.00		250.00
Hoffmann-LaRoche Limited Grant—Banting-Best		300.00			300.00		300.00
Hoffmann-LaRoche Limited Grant—Ferguson		300.00			300.00		300.00
Beatrice Holly Memorial Prize		350.00			350.00		350.00
Hollywood Theatre Prize (French)	50.00			50.00			
Dr. E. West Holmes Bequest—Dentistry		5,000.00	36.98		5,036.98	215.63	5,252.61
John Honor Bequest (Arts)	14,105.52		597.08		14,702.60	683.80	15,386.40
Maurice Hutton (Matriculation, Greek and Latin)		150.00		150.00			
Professor Leopold Infeld Donation	42.55				42.55		42.55
Institute of Child Study	Dr. 6,131.18	7,940.43		1,809.25			
Institute of Industrial Relations	2,985.00	10,810.50		2,410.47	11,385.03		11,385.03
International Accountants and Executives Corp. Bursary (Commerce and Finance)		25.00		25.00			
I.O.D.E. Admiral Hood Chapter Bursary (Nursing)		100.00		100.00			
Jenkins (Engineering)	300.00	200.00		200.00	300.00		300.00
Wing Commander D. G. Joy Donation, Aerial Navigation	300.00				300.00		300.00
W. K. Kellogg Foundation—Dental Loan Fund	9,890.63	882.26		685.00	10,087.89		10,087.89
W. K. Kellogg Foundation—Dental Scholarship Fund	5,125.00			375.00	4,750.00		4,750.00
W. K. Kellogg Foundation—Medical Loan Fund	9,511.45	1,165.15		2,200.00	8,476.60		8,476.60
W. K. Kellogg Foundation—School of Hygiene Loan Fund	2,200.00				2,200.00		2,200.00
W. K. Kellogg Foundation—School of Hygiene Scholarship Fund	4,200.00			300.00	3,900.00		3,900.00
Mary Keenan Award—Political Science		200.00		200.00			
George Kennedy (Philosophy)	254.06	83.09			337.15		337.15
Sarah Kennedy (Household Science)	5.06	83.09			88.15		88.15
Khaki University Memorial Scholarship	4,199.47		148.80		4,348.27	230.10	4,578.37
King Township Scholarship Fund	355.00	270.00			625.00		625.00
Labour Research Institute (Law)	50.00				50.00		50.00
Ann Laidlaw (Classical Archaeology)	53.69				53.69		53.69
Laidlaw Donation—Fine Art	18.43				18.43		18.43
Annie Lewisa Laird Prize (Household Science)		1,200.00			1,200.00	51.37	1,251.37
Forward							

Forward

## SCHEDULE C—CONTINUED

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Research, Pension Fund, New Buildings, etc.,  
Which May be Expended for the Purposes Designated  
30th June, 1946

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Disbursements	Balance 30th June, 1946	Reserve for guaranteed income	TOTAL
Forward							
The Landsear War Service Club Memorial Bursaries (Medicine)	.....	652.36	5.39	.....	657.75	.....	657.75
John Langton Memorial.....	30.00	.....	.....	.....	30.00	.....	30.00
Reuben Wells Leonard Fellowship and Scholarships (University College).....	5,601.00	7,300.00	.....	8,650.00	4,251.00	.....	4,251.00
Reuben Wells Leonard Bequest.....	222,932.35	59,925.60	10,352.16	3,000.00	290,210.11	12,680.59	302,890.70
Library Funds—Abbott Dental.....	68.68	500.00	.....	502.00	66.68	.....	66.68
King Alfred Millenary.....	12,020.17	.....	400.00	15.16	12,405.01	531.05	12,936.06
Phillips Stewart.....	1,843.74	.....	60.00	2.45	1,901.29	81.39	1,982.68
James F. Lincoln Arc Welding Foundation—Welding Library.....	109.60	.....	.....	109.60	.....	.....	109.60
Lyle Medal (Orientals).....	752.86	.....	15.06	.....	767.92	.....	767.92
John Macara, Barrister of Goderich, Scholarship.....	20.71	406.73	.....	427.44	.....	.....	.....
John and Mary R. Markle Foundation Fund.....	186.28	2,646.50	.....	2,161.56	671.22	.....	671.22
Massey-Treble Bequest, Household Science.....	29,007.00	.....	3,466.65	4,328.22	28,145.43	1,204.89	29,350.32
C. A. Masten Fellowship (Law).....	209.41	175.00	3.11	134.00	253.52	10.85	264.37
Medical Research Fund—anonymous.....	69,185.03	66,000.00	3,661.23	.....	138,846.26	6,884.66	145,730.92
Medicine—anonymous.....	404.44	.....	.....	.....	404.44	.....	404.44
Medical Alumni Scholarship.....	.....	200.00	.....	200.00	.....	.....	.....
W. G. Millar Memorial Scholarship (Applied Science and Engineering).....	.....	250.00	.....	.....	250.00	.....	250.00
Mining Geophysics Corporation Limited—Grant.....	.....	750.00	.....	181.31	568.69	.....	568.69
F. K. Morrow Scholarship (Forestry).....	2,575.00	.....	77.25	250.00	2,402.25	102.85	2,505.10
Max K. A. Mueller Bursary (Social Science).....	.....	50.00	.....	50.00	.....	.....	.....
Sir William Mulock, U.C. Men's Residence Fund.....	21,041.08	.....	739.09	.....	21,780.17	1,057.15	22,837.32
Dent McCrea (Law).....	100.00	.....	.....	50.00	50.00	.....	50.00
The Surgeon Lt. J. V. McCutcheon Donation.....	50.00	.....	.....	50.00	50.00	.....	50.00
McIntyre Research Fellowship.....	.....	2,500.00	.....	150.00	2,350.00	.....	2,350.00
McLennan Laboratory Research Fund (Scientific Research).....	76,090.69	.....	.....	5,527.96	70,562.73	.....	70,562.73
National Committee for Mental Hygiene.....	.....	70.00	.....	.....	70.00	.....	70.00
National Council of Jewish Women Bursary.....	.....	200.00	.....	.....	200.00	.....	200.00
National Foundation for Infantile Paralysis Inc. of the United States.....	3,314.47	4,991.80	.....	3,556.66	4,749.61	.....	4,749.61
National Research Council—U.S.—Elliot.....	248.03	.....	.....	.....	248.03	.....	248.03
John Northway (Psychological Research).....	500.00	.....	.....	.....	500.00	.....	500.00
Nutrition Foundation Inc.—McHenry.....	248.20	1,870.00	.....	2,109.15	9.05	.....	9.05
Nutrition Foundation Inc.—Fischer.....	.....	4,400.00	.....	1,100.00	3,300.00	.....	3,300.00
Laura L. Ockley Scholarship—Home Economics (O.C.E.).....	1,379.51	5.00	38.53	100.00	1,323.04	.....	1,323.04
O'Keefe Award—Biochemistry.....	.....	250.00	.....	250.00	.....	.....	.....
O'Keefe Award—Commerce and Finance.....	.....	250.00	.....	250.00	.....	.....	.....
Ontario Archaeology—Special Research.....	851.22	.....	17.02	.....	868.24	37.17	905.41
Ontario Association of Architects.....	.....	100.00	.....	100.00	.....	.....	.....
Ontario Community Chest Scholarships—Social Work.....	.....	3,200.00	.....	3,100.00	100.00	.....	100.00
Ontario Forest Industries Association Scholarship (Forest Entomology).....	250.00	.....	.....	250.00	.....	.....	.....
Ontario Government Grant—V.D. Research.....	5,000.00	5,000.00	.....	293.33	9,706.67	.....	9,706.67
Ontario Medical Association Prize (Preventive Medicine).....	.....	25.00	.....	25.00	.....	.....	.....
Ontario-Minnesota Pulp and Paper Company Bursaries (Forestry).....	.....	500.00	.....	500.00	.....	.....	.....
Oral Health Thesis Prize No. 1 (Dentistry).....	33.33	.....	.....	.....	33.33	.....	33.33
Oral Health Thesis Prize No. 2 (Dentistry).....	16.67	.....	.....	.....	16.67	.....	16.67
Organic Chemistry (Anonymous).....	10,000.00	.....	.....	5,000.00	5,000.00	.....	5,000.00
Palestine Lodge Bursary Fund—Social Work.....	.....	3,000.00	40.10	.....	3,040.10	130.15	3,170.25
Pan-Hellenic Association Prizes (University College).....	.....	150.00	.....	150.00	.....	.....	.....
Parke Davis Donation (Greay Research).....	106.40	.....	.....	.....	106.40	.....	106.40
Pensions—Academic.....	717,141.88	57,225.89	35,743.50	45,092.98	765,018.29	36,684.66	801,702.95
Pensions—Employees.....	1,177,945.21	108,361.16	52,804.57	49,147.19	1,289,963.75	66,950.66	1,356,914.41
Pi Lambda Phi Fraternity Prize (Arts).....	.....	75.00	.....	50.00	25.00	.....	25.00
Pitt War Research.....	340.39	.....	.....	.....	340.39	.....	340.39
Forward							

Forward

## SCHEDULE C—CONTINUED

## UNIVERSITY OF TORONTO

**Funds Received for Scholarships, Prizes, Research, Pension Fund, New Buildings, etc.,  
Which May be Expended for the Purposes Designated  
30th June, 1946**

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Disbursements	Balance 30th June, 1946	Reserve for guaranteed income	TOTAL
Forward							
Posluns Bros. Scholarship	100.00	100.00	.....	100.00	100.00	.....	100.00
Pro Liberis Prize (Dentistry)	50.00	50.00	.....	50.00	50.00	.....	50.00
Psychiatric Research Fund	2,500.00	2,500.00	.....	875.00	4,125.00	.....	4,125.00
Psychiatry Special Fund	1,000.00	.....	.....	.....	1,000.00	.....	1,000.00
Public Speaking Association Bursary	50.00	50.00	.....	50.00	50.00	.....	50.00
William Lowell Putnam Prize (Mathematics)	985.05	.....	.....	.....	985.05	.....	985.05
R. A. Reeve Prize (Medicine)	200.00	50.00	.....	.....	250.00	.....	250.00
Registered Nurses of Ontario Donation	.....	10,852.00	.....	10,852.00	.....	.....	.....
Eliza J. Robertson Bequest (Arthritis)	24,815.45	.....	864.26	.....	25,679.71	1,504.41	27,184.12
Rockefeller Grant—D. G. Creighton	1,075.00	.....	.....	1,075.00	.....	.....	.....
Rockefeller Foundation:							
(Hygiene—Special Account No. 1)	152.24	6,919.77	.....	6,596.00	476.01	.....	476.01
(Hygiene—Special Account No. 2)	4,546.93	9,213.79	.....	9,736.29	4,024.43	.....	4,024.43
(Hygiene—Special Account No. 3)	117.27	.....	.....	.....	117.27	.....	117.27
(Hygiene—Special Account No. 4)	253.75	4,500.00	.....	4,752.28	1.47	.....	1.47
(Hygiene—Special Account No. 5)	426.01	4,573.99	.....	4,935.11	64.89	.....	64.89
(School of Nursing—Library Fund)	52.86	.....	.....	52.81	.05	.....	.05
(Psychiatry Research)	342.92	.....	.....	342.92	.....	.....	.....
(Social Science—Innis)	270.02	.....	.....	178.27	91.75	.....	91.75
Rooney Clubs of Toronto Award	25.00	.....	.....	25.00	.....	.....	.....
Romaine K. Ross Prize	10.00	.....	.....	.....	10.00	.....	10.00
Newton Wesley Rowell Fellowship (Law)	100.00	100.00	.....	.....	200.00	.....	200.00
Royal Institute of International Affairs—University Press	32.79	548.62	.....	.....	.....	.....	.....
T. A. Russell Research Fellowship (Applied Science and Engineering)	1,000.00	.....	.....	823.33	176.67	.....	176.67
Dr. James P. Rutherford (Medical Research)	7,064.31	.....	346.42	150.00	7,260.73	339.16	7,599.89
Ronald S. Saddington Medal (Pathology)	10.99	.....	.....	3.45	7.54	.....	7.54
Sadowski (Sociology and Social Science)	500.00	500.00	.....	500.00	500.00	.....	500.00
St. Lucia Government Scholarship (Mathurin)	119.00	.....	.....	119.00	.....	.....	.....
Sigma Alpha Mu Scholarship Fund	.....	225.00	.....	.....	225.00	.....	225.00
School of Nursing Undergraduate Bursary	640.48	.....	12.80	.....	653.28	27.96	681.24
School of Nursing Building Fund	.....	10,000.00	.....	.....	10,000.00	.....	10,000.00
Wallace Secombe General Proficiency Prize (Dentistry)	50.00	.....	.....	.....	50.00	.....	50.00
Lauretta M. Seldon Bequest	62.79	.....	1.25	.....	64.04	.....	64.04
Rose Shendroff Memorial Loan Fund (Medicine)	500.00	.....	.....	.....	500.00	.....	500.00
Rose Shendroff Memorial (Prize in English—University College)	100.00	.....	.....	.....	100.00	.....	100.00
Shouldice Medical Research—Pharmacology	.....	500.00	.....	.....	152.46	.....	152.46
Mary A. Simpson Bequest	118.66	.....	2.37	347.54	121.03	.....	121.03
Robert Simpson Company (Matriculation)	.....	950.00	.....	950.00	.....	.....	.....
George R. Smith Fund (O.C.E.)	250.00	.....	.....	.....	250.00	.....	250.00
Social Science Fund	524.91	.....	.....	519.91	5.00	.....	5.00
G. Roy Sproat and Katherine Sproat Bursary Fund	500.00	.....	.....	.....	500.00	.....	500.00
Standard Brands Research (Chemistry)	6.54	.....	.....	.....	6.54	.....	6.54
Starr Bequest (Medals)	8,361.18	.....	130.00	.....	8,481.18	.....	8,481.18
John A. Stewart (Pernicious Anaemia)	3,162.85	.....	110.70	.....	3,273.55	140.14	3,413.69
Swift Canadian Foundation Fellowship	.....	1,200.00	.....	1,121.08	78.92	.....	78.92
W. George Switzer Memorial Award (Dentistry)	205.14	.....	29.51	11.02	223.63	.....	223.63
Henry Thompson Scholarships (Dentistry)	.....	300.00	.....	.....	300.00	.....	300.00
Toronto Brick Company Prizes (Architecture)	.....	200.00	.....	.....	100.00	.....	100.00
Toronto Metropolitan Housing Research Project Fund	.....	6,000.00	.....	2,093.28	3,906.72	.....	3,906.72
Ubukata Fund for Japanese Students	14,236.58	.....	.....	688.20	14,924.78	656.41	15,581.19
University College Alumnae Scholarship	100.00	100.00	.....	200.00	.....	.....	.....
University College Alumni Scholarship (Matriculation)	.....	350.00	.....	350.00	.....	.....	.....
University College Alumni Prize	.....	25.00	.....	25.00	.....	.....	.....
University College Men's Residence Fund	5,918.67	10,689.12	280.32	.....	16,894.11	329.22	17,223.33
University of Toronto Engineering Alumni Scholarship	.....	2,000.00	.....	.....	2,000.00	.....	2,000.00
Forward							

Forward

## SCHEDULE C—CONTINUED

## UNIVERSITY OF TORONTO

Funds Received for Scholarships, Prizes, Research, Pension Fund, New Buildings, etc.,  
Which May be Expended for the Purposes Designated  
30th June, 1946

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Disbursements	Balance 30th June, 1946	Reserve for guaranteed income	TOTAL
Forward							
University Expansion Fund.....	217,528.76	38,240.14	1,224.57	.....	256,993.47	11,020.14	268,013.61
U.T.S. Engineering Scholarship.....	250.00	250.00	.....	500.00	.....	.....	.....
U.T.S. Old Boys' Association.....	.....	150.00	.....	150.00	.....	.....	.....
U.T.S. Parents' Association (Scholarships).....	.....	300.00	.....	300.00	.....	.....	.....
Urwick Bursaries.....	.....	2,700.00	.....	1,200.00	1,500.00	.....	1,500.00
Urwick Prize (Commerce and Finance).....	25.00	.....	.....	.....	25.00	.....	25.00
Urwick Prize (Political Science and Economics).....	25.00	.....	.....	.....	25.00	.....	25.00
E. J. Urwick Scholarship—Social Work.....	.....	300.00	.....	300.00	.....	.....	.....
Bernard Vise Memorial Scholarship (Social Science).....	.....	100.00	.....	100.00	.....	.....	.....
Sir Edmund Walker (Arts or Medicine).....	.....	450.00	.....	450.00	.....	.....	.....
E. C. Walker Bequest (Residences).....	83,855.56	.....	4,917.81	.....	88,773.37	5,146.60	93,919.97
J. Harrington Walker Bequest (Residences).....	45,483.79	.....	2,760.42	.....	48,244.21	2,262.21	50,506.42
E. A. Wallberg Memorial.....	2,093,616.76	221,239.70	81,172.76	41,059.00	2,354,970.22	118,868.50	2,473,838.72
E. A. Wallberg Memorial (Applied Science Survey).....	600.00	.....	.....	.....	600.00	.....	600.00
E. A. Wallberg Memorial Fund (Applied Science Travelling Expenses).....	875.00	.....	.....	461.27	413.73	.....	413.73
E. A. Wallberg Memorial Loan Fund.....	19,432.69	Dr. 15,000.00	371.94	Dr. 562.26	5,366.89	229.76	5,596.65
Edwin Waterhouse Scholarship (Commerce and Finance).....	250.00	250.00	.....	250.00	250.00	.....	250.00
R. E. Watters Bursary (University College).....	200.00	.....	.....	.....	200.00	.....	200.00
John T. White Bequest (Medical Research—Banting).....	3.00	.....	.....	.....	3.00	.....	3.00
White Pine Bureau Scholarship (Forestry).....	200.00	.....	.....	100.00	100.00	.....	100.00
Emerson Wickett Memorial (Applied Science).....	100.00	100.00	.....	100.00	100.00	.....	100.00
Jas. B. Willmott (Dentistry).....	108.33	300.00	.....	191.67	216.66	.....	216.66
Herbert Willson (Biology and Medicine).....	100.00	.....	.....	100.00	.....	.....	.....
James Wm. Woods Fellowship (Business Administration).....	1,000.00	1,500.00	.....	1,000.00	1,500.00	.....	1,500.00
	<u>\$5,005,694.99</u>	<u>\$748,355.16</u>	<u>\$201,828.42</u>	<u>\$284,891.36</u>	<u>\$5,670,987.21</u>	<u>\$269,162.99</u>	<u>\$5,940,150.20</u>
Sundry Grants from Dominion Government for research, etc.,...	58,135.69	125,218.81	.....	144,894.17	38,460.33	.....	38,460.33
	<u>\$5,063,830.68</u>	<u>\$873,614.70</u>	<u>\$201,787.69</u>	<u>\$429,785.53</u>	<u>\$5,709,447.54</u>	<u>\$269,162.99</u>	<u>\$5,978,610.53</u>





## UNIVERSITY OF TORONTO

## Trust Endowments

30th June, 1946

Name of trust	Balance 30th June, 1945	Benefactions and other additions	Income earned during year	Capital gains, transfers from in- come, etc.	Disburse- ments	Balance 30th June, 1946
Insulin Committee surplus . . . . .	\$1,350,323.62	\$184,056.27	.....	.....	\$116,166.57	\$1,418,213.32
Medical Research —Banting . . . . .	255,942.34	68,768.34	\$ 8,957.98	.....	88,828.61	241,810.05
Medical Research —Best . . . . .	281,079.67	51,768.34	9,837.79	.....	18,976.29	323,709.51
Massey Founda- tion repayment .	355,965.86	.....	15,975.24	\$ 555.00	.....	372,496.10
E. C. Whitney Bequest . . . . .	213,698.10	75.00	20,025.81	8,583.80	1,875.00	240,507.71
	<u>\$2,457,009.59</u>	<u>\$304,667.95</u>	<u>\$54,796.82</u>	<u>\$9,138.80</u>	<u>\$225,846.47</u>	<u>\$2,599,766.69</u>



DEPARTMENT OF HEALTH

---

Twenty-second Annual Report

OF THE

Department of Health

ONTARIO, CANADA

FOR THE YEAR

1946

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 14, 1947



TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1947



TO THE HONOURABLE RAY LAWSON, O.B.E.,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Twenty-second Annual Report of the Department of Health, for the year 1946.

Respectfully submitted,

RUSSELL T. KELLEY,  
*Minister of Health.*



TO THE HONOURABLE RUSSELL T. KELLEY,  
*Minister of Health.*

SIR,—I have the honour to submit for your approval the Twenty-second Report of the Department of Health, made in conformity with and under the provisions of The Public Health Act, for the year 1946.

I have the honour to be, Sir,

Your obedient servant,

J. T. PHAIR,  
*Deputy Minister of Health.*

## CONTENTS

PUBLIC HEALTH ADMINISTRATION.....	6
REPORT OF THE SOLICITOR.....	9
DIVISION OF DENTAL SERVICES.....	10
DIVISION OF EPIDEMIOLOGY.....	12
DIVISION OF INDUSTRIAL HYGIENE.....	32
REPORT OF CHIEF SANITARY INSPECTOR.....	37
REPORT OF CIVIL SERVICE HEALTH CENTRE.....	41
DIVISION OF LABORATORIES.....	44
REPORT OF BRANCH LABORATORIES.....	62
REPORT OF THE LIBRARIAN.....	69
DIVISION OF MATERNAL AND CHILD HYGIENE.....	71
DIVISION OF NURSES' REGISTRATION.....	75
DIVISION OF PUBLIC HEALTH NURSING.....	80
DIVISION OF SANITARY ENGINEERING.....	83
DIVISION OF TUBERCULOSIS PREVENTION.....	93
DIVISION OF VENEREAL DISEASE CONTROL.....	140
MEDICAL STATISTICS BRANCH.....	158
THE ELEVENTH ANNUAL STATISTICAL REPORT ON CANCER, CALENDAR YEAR 1946....	174

## PUBLIC HEALTH ADMINISTRATION

DEWILLET S. PUFFER, B.A., M.B., D.P.H.

R. G. STRUTHERS, M.D., D.P.H.

With each succeeding year the complexities of administration at the Departmental level multiply. New developments in the field of public health endeavour require readjustment of existing policies and facilities whereby they may be satisfactorily or reasonably well met. Old problems, freshly complexioned and clothed in garments a period of rehabilitation never fails to provide, continue to present themselves for appropriate attention.

The reports of the Divisional activities to be found in this the twenty-second annual report of the Department, are indicative of the increasing demands for service on the part of the public which continues to display growing interest in all matters pertaining to health. Administratively this necessarily requires integration and correlation of the various divisions now functioning within the Department, with the efforts of related official public health organizations which serve the population at the community level.

The employment of full time qualified personnel by Health Unit Boards of Health to serve at this latter mentioned level has been appreciably increased during the year under review. Seven such Health Units were established, bringing the total as of December 31st, 1946, to fifteen. During the same period, five counties officially expressed their desire to set up similar organizations as soon as staff becomes available. Those in operation at the date given and the year of their establishment is as herewith listed:

Health Units Now Established	Date of Institution
Stormont, Dundas and Glengarry.....	1940
Porcupine.....	December, 1944
Kirkland-Larder Lake.....	April, 1945
Welland and District.....	June, 1945
Northumberland and Durham.....	July, 1945
Elgin-St. Thomas.....	July, 1945
St. Catharines-Lincoln.....	August, 1945
Oxford County and Ingersoll.....	September, 1945
Brant County.....	January, 1946
Dufferin County Health Unit.....	June, 1946
Prescott and Russell.....	July, 1946
Prince Edward County.....	July, 1946
Bruce County.....	July, 1946
Peel County.....	July, 1946
Lambton.....	September, 1946

As may be appreciated, the formation of the above listed Units and their final establishment as actively functioning official public health agencies was not accomplished without the expenditure of considerable effort on the part of both the Department and those locally interested in this comparatively new undertaking. Of the problems faced, the shortage of trained personnel whose qualifications were such as could meet the Department's regulatory requirements, particularly with respect to nursing personnel, was the most acute. As a means toward overcoming this handicap, the Department again made provision whereby

bursaries were made available to physicians, nurses, sanitary engineers, dentists and veterinarians desirous of obtaining the necessary academic qualifications. Those chosen by application on the successful completion of special courses, become eligible for appointment by local boards of health as full time members of staff where joint municipal or county sponsored health programmes are in operation or are to be instituted.

As a matter of interest, one might note that Directors of Divisions had the somewhat unique opportunity of meeting with representative groups of full time public health personnel serving in Units or larger centres at the municipal level and discussing with mutual advantage their problems and programmes. Two conferences of this type were held.

In addition to the full time public health programme carried on by Health Units and certain of the larger municipalities, a full time public health school nursing programme developed around school health continues to operate in the following counties: Halton, Haldimand, Huron, Lennox and Addington, Middlesex, Perth, Simcoe and Wentworth. Of the foregoing, the service in Lennox and Addington was initiated in August, 1946.

An extension of the mental health programme hitherto in effect and sponsored by the Department was initiated during the year. Psychiatrists to act as consultants to Health Units on a regional basis were appointed. Four such regional areas are now served. The programme, though still in the early stages of development, gives promise of becoming a very real contribution towards the advancement of the generalized principles and expanding practices of public health endeavour at the community level.

Changes directly affecting the Department during the year 1946 as related to Medical Officers of Health are as follows:

#### RETIREMENTS

W. T. Cumming	W. A. Wilford	J. K. Kelly	L. P. Beaudoin
Lyle Hutton	J. F. Argue	A. A. Metcalfe	C. E. Lacerte
E. J. Gordon	G. M. Dobbin	C. M. Stratton	R. Laviolette
L. J. Stuart	W. C. Arkinstall	H. G. Pink	E. Larocque
H. Y. Whitehead	J. M. Leblond	W. Doan	H. Gaboury
W. S. Foote	W. McLaren	E. Malkin	J. H. McIntosh
W. E. George	W. J. McLean	I. B. Thompson	W. C. Tweedie
D. H. Milne	E. C. A. Reynolds	H. Irwin	J. Kinnaird
J. E. Fraser	M. W. Berwick	S. English	G. D. McIntyre
J. B. Miller	E. G. Johnston	R. W. Salmon	J. J. Robertson
H. Morgan	R. N. Kyles	W. A. Wylie	J. H. Walmsley
M. H. Gillies	A. E. Kyles	W. W. Bartlett	D. Lighthall
E. K. Dawson	E. Durocher	J. T. Thomas	R. A. Thompson
R. J. Tucker	R. Lanoue	H. H. Hetherington	J. H. Cryan
D. D. Carpeneto	F. Moore	A. B. Sutton	R. M. Sarles
R. A. McCosh	L. J. Sutherland	S. H. Smith	R. Tanguay
F. H. Wells	H. Thompson	H. C. Sutton	H. G. Miller
W. A. Broddy	C. A. Henrich	J. Larocque	F. R. Harvey
F. E. Conner	W. B. Carruthers	E. Auger	H. Logan
A. E. Couch	H. Carter	F. Ladouceur	G. Berneske
J. T. H. Robinson	R. G. McDonald	P. Rochon	J. E. Davey

Innis MacDonald

## APPOINTMENTS

T. H. Black	J. C. Finley	R. Marchildon	R. S. Peat
J. S. Crawford	D. A. Garrett	S. W. Bromley	D. E. Scott
G. M. Fraser	G. Anderson	F. A. Procnier	W. W. Wigle
W. Fowler	W. R. Muirhead	R. M. Rogers	M. G. Ranney
A. W. Beairsto	R. G. Bell	W. M. Grant	J. B. Cramer
E. J. S. Major	V. O. Hart	D. G. H. MacDonald	A. M. Urquhart
P. H. Bernstein	J. O. Merritt	A. Sinclair	C. C. Belyea
P. Chalykoff	Helen Doan	H. E. Gastle	C. K. Whitelock
F. H. Wilson	E. R. Patterson	P. A. Belanger	J. S. Goodbrand
L. C. Jenner	J. Pearce	P. A. Scott	J. Button
S. Piper	W. M. Lovegrove	S. C. Robinson	J. P. Wilson

## RETURNED FROM ACTIVE SERVICE

*E. J. Cloutier	T. P. Kearns	H. B. Kenner	J. E. Gompf
*P. Poisson	A. M. Bell	J. E. Williams	B. C. Prior
P. M. Macdonnell	*R. A. Ruby	*C. W. McCormick	L. M. Stuart
A. L. Magill	*G. K. Shirton	P. A. Voelker	*C. R. Boulding
*J. D. Colquhoun	M. R. Dymond	A. E. Mackenzie	

\*Did not assume duties of M.O.H. on return.

It is with regret that we must advise that the following medical officers of health were removed by death:

## DECEASED

L. C. Hillis	M. J. O. Walker	J. C. Smith	T. A. Hamilton
D. I. Snider	D. A. Campbell	J. A. Morgan	D. Marr
J. M. Kelly	P. F. Quinlan	A. Delisle	



## REPORT OF THE SOLICITOR

CHARLES WALKER, *Solicitor to the Department*

The following legislation was passed by the Legislative Assembly in the 1946 Session:

The following Act was passed:

*The Victoria Hospital London Act, 1946.*

The following Acts were amended:

*The Public Health Act.*

*The Venereal Diseases Prevention Act, 1942.*

*The Medical Act.*

*The Pharmacy Act.*

*The Optometry Act.*

Regulations were passed in 1946 under the authority of the following Acts:

	Date of Approval	Ontario Regulations Number
<i>The Athletic Commission Act, 1939</i>		
Amendment re Basketball.....	May 21	65/46
<i>The Cemetery Act</i>		
Proclamation re Anglican Church Cemetery in Barrie.....	Feb. 15	24/46
<i>The Nurses' Registration Act</i>		
Amendment re Registration of Nurses.....	Feb. 19	22/46
Amendment re Council of Nurse Education...	Oct. 1	125/46
<i>The Public Health Act</i>		
Regulations constituting Boards of Health of the various Health Units mentioned here- under:		
Prince Edward County Health Unit.....	Jan. 15	11/46
Bruce County Health Unit.....	Feb. 15	23/46
Peel and Dufferin County Health Unit...	May 14	56/46
Halton County Health Unit.....	May 21	61/46
Welland and District and Northumber- land and Durham Health Unit.....	July 23	94/46
Kent County Health Unit.....	Aug. 6	97/46
Lambton County Health Unit.....	Sept. 24	119/46
Fostered-Food Locker Plants—New.....	June 25	79/46
Pasteurization of Milk—Re-enacted.....	July 23	93/46
Expectant Mothers—New.....	Aug. 6	99/46
<i>The Public Hospitals Act</i>		
Amendment re Provincial Aid.....	Feb. 26	25/46
Amendment re Woodedden.....	Aug. 20	103/46

The volume and complexity of present-day Health legislation and legislation associated with it appears to indicate the desirability of legal assistance being available to those engaged in health administration in its various aspects.

## DIVISION OF DENTAL SERVICES

F. A. KOHLI, D.D.S., D.D.P.H., *Director*

During the past year the Division has pursued its dental health educational activities.

An active programme has been carried out in conjunction with the Department of Education and the Committees of Organized Dentistry. Education of the public has been through the medium of educational motion pictures and slides; and lectures to public health workers, school teachers, Women's Organizations, Farm Federation, Service Clubs and other interested lay groups.

Educational booklets have been distributed to aid teachers and nurses in health teaching, and for the interest of the school children. Mouth Inspection Charts for use in dental surveys have also been supplied.

A Teaching Manual for Secondary Schools is at present in preparation.

Public interest has been maintained and stimulated, particularly in regard to school and pre-school children. Although shortage of dental personnel is still acute, school dental services, that have been operating with the assistance of the departmental grant, have maintained and in some cases extended their services. The following have been added to the list of those eligible for grant:

<i>Townships</i>	<i>Villages</i>	<i>Towns</i>
Lindsay	Bradford	Mount Forest
Trafalgar	Braeside	
Bentinck		
Artemesia		
Whitchurch		
Glenelg		
Keppel		
Flos		

The annual meeting of the Northern Ontario Dental Association, the Ontario Dental Association convention and the Winter Clinic of the Academy of Dentistry were attended by the Director.

There was a change of dentists on the dental car at mid-year. Dr. Switzer, who had been on the car since January, 1941, went to the dental clinic in the Ontario Hospital at Brockville, and Dr. Mitton, who had returned from overseas to the Ontario Hospital at Orillia, took over the duties on the car. During the year 36 places were visited, mainly in the Thunder Bay district, and over 1,500 appointments with school children were recorded.

With the return of staff from the Armed Services the hospital dental clinics are in a better position to take care of x-rays, routine examinations and necessary treatment. These clinics, the Central Dental Laboratory, and some of the clinics in Institutions under the Department of Reform Institutions, were inspected regularly by the Director, and consultations held when necessary.

The work in the Central Dental Laboratory has increased this year, and the two technicians have been busy trying to keep abreast of it.

There has been a very slight increase in the amount of emergent dental treatment for relief recipients.

The Division is associated with the Public Dental Health Committee of the Ontario Dental Association, in an advisory capacity, in a project sponsored by the Provincial Red Cross Society in the Welland-Crowland district. A full-time dentist has been engaged to carry on a school dental survey and educational programme. The programme is of a type that might be used by a Health Unit Dental Officer, and will demonstrate the value of a dentist in this capacity.

A comprehensive chart has been devised for this project and it will be used as a standard for school surveys.

## DIVISION OF EPIDEMIOLOGY

R. P. HARDMAN, M.D., D.P.H., *Epidemiologist*

There has been a general increase in the trend of communicable diseases reported in Ontario during 1946, as compared with the corresponding period of 1945. This general increase is chiefly accounted for by the biennial fluctuations of such diseases reported as Chickenpox, Measles, Mumps, German Measles and Whooping Cough.

There has also been a marked increase shown in the incidence of Diphtheria during the past year. In June of this year, an advisory letter was sent out to all Medical Officers of Health and the medical profession in the Province, drawing attention to this increase in the incidence of Diphtheria, and suggesting radical changes in the time limitations in the administration of reinforcing doses of Diphtheria Toxoid. The general response to this letter has been very satisfactory, as noted in the increased distribution of Diphtheria Toxoid throughout the Province in the past three months.

As compared with 1945, the incidence of Poliomyelitis reported in Ontario in 1946 was quite high. During the last week of July, an unusual number of Poliomyelitis cases were reported from Ottawa, Windsor and Sarnia. While it is not unusual for Poliomyelitis to be reported from the larger cities and towns in Ontario during the summer months, the trend for 1946 was one week ahead of schedule. In the first two weeks in August 49 cases were reported. During the last week of August 48 cases were reported. August was the peak month. 512 cases were reported during the year, the highest number of cases since 1937, when 2,546 cases were reported. As in previous years, all hospitalization and physiotherapy costs of these cases were provided by the Government. Cases were reported from all counties and districts in the Province. However, 12 or more cases only were reported from seven counties, Essex, Carleton, Victoria, Stormont, Dundas and Glengarry, Middlesex, Wentworth, and York.

Early in 1946, a mild outbreak of Typhoid Fever occurred in an eastern municipality. There were no deaths. This outbreak has been responsible for the slight increase in the 1946 morbidity rate of Typhoid Fever (.9 over 1945). During 1946, 82 cases of Typhoid Fever were reported in Ontario, an increase of 26 cases over the corresponding period of 1945. The mortality rates, however, have shown no increase to date. The rates per 100,000 have been below 1, for the past ten years.

There has been a marked reduction in the number of cases of Influenza reported during 1946, and no large outbreak has occurred since 1937.

A decrease has also been shown in the number of cases of Scarlet Fever reported in the Province and the incidence has remained low since 1944.

There has been no Smallpox reported. Ontario has been free from Smallpox since 1938.

Outbreaks of Food Poisoning, caused by staphylococcus enterotoxin, have shown a marked reduction during the past year. No new outbreaks were reported. Only two outbreaks due to staphylococcus enterotoxin, involving two families, were reported. There has been an increased interest by the medical profession in the diagnosis of mild types of enteritis. This has been shown by the number of specimens submitted to the laboratory for examination, and many types of Salmonella organisms have been isolated.

During the year, epidemiological assistance and direct consultation service was provided from this Division to many local Departments of Health.

The Government has also provided free immunization against Diphtheria and vaccination against Smallpox, last year in some of the unorganized townships in Northern Ontario.

The following tables relative to various communicable diseases are submitted.

TABLE 1  
CEREBRO-SPINAL MENINGITIS

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1942	276	91	7.2	.8	13.0
1943	185	32	4.8	.8	17.2
1944	162	24	4.	.6	22.2
1945	81	11	2.	.2	13.5
1946	88	21*	2.1	.5*	23.8

\*Tentative.

It will be noted that while there has been little change in the morbidity rates over the past year, as compared with the year previous, there has been an increase in the mortality rate and quite a significant increase in the case fatality rate, as compared with the previous year. However, deaths as reported by the local Boards of Health are sometimes changed in the final coding compilation, and only 11 deaths have been registered to date by Registrar-General. This would reduce the case fatality rate to 12.5, comparable with 1945.

TABLE 2  
DIPHTHERIA

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1942	143	15	4.	.4	10.5
1943	75	6	1.9	.1	8.
1944	185	11	4.5	.2	6.5
1945	253	24	6.0	.6	9.4
1946	455	41*	11.3	1. *	9.

\*Tentative.

As noted in the above table, there has been a marked increase in the number of cases and deaths from Diphtheria in 1946, as compared with any one year in the past five-year period. The morbidity and mortality rates of Diphtheria during the past year are the highest experienced since 1937.

Towards the end of the European War, epidemics of Diphtheria appeared in all occupied countries. In the late Fall of 1945, an upward trend in Diphtheria was noted in Ontario. Many cases of the disease were reported to be due to contact with returning overseas personnel. During 1946, cases of Diphtheria were reported from 32 of the 49 counties and districts. Many municipalities reporting Diphtheria in 1946 had not reported cases in many years. It has been proven beyond doubt that had Ontario not provided immunization



against the disease in the past, that outbreaks similar to those following the last War would have prevailed. Reports show no deaths among persons who had received Diphtheria Toxoid. Over 50% of the deaths were reported in children under four years of age, so the need for more immunization in the early age groups is apparent.

TABLE 3  
TYPHOID FEVER

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1942	109	8	2.8	.2	7.3
1943	60	9	1.7	.2	15.
1944	78	7	1.9	.1	8.
1945	58	4	1.5	.1	6.8
1946	84	5*	2.9	.1*	6.

\*Tentative.

There was a slight increase in the number of cases of Typhoid fever reported during 1946; 21 of the 26 cases, as shown in the increase, were reported following a mild non-fatality outbreak in Eastern Ontario, in which a carrier was found. There were no outbreaks due to water or milk during the year.

TABLE 4  
POLIOMYELITIS

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1942	89	14	2.1	.2	12.5
1943	81	7	2.1	.1	7.8
1944	332	21	8.3	.5	6.3
1945	183	11	4.1	.2	6.1
1946	512	30*	12.7	.7*	5.8

\*Tentative.

There was a marked increase in the number of cases and deaths of Poliomyelitis during the past year, as compared with the previous five-year period. 512 cases and 30 deaths were reported. There was no early indication that an unusual number of cases would occur, as Poliomyelitis is unpredictable. For the past twenty years cases of the disease have been reported with regularity from the majority of the larger cities in the Province, and a certain number of cases for July may always be expected. No appreciable increase was noted until the first week in August, when 24 cases were reported and the principal foci was Ottawa, Windsor and Sarnia.

There were several unusual features observed in the incidence of Poliomyelitis during 1946, as compared with past experience. August was the peak month for the year, 169 cases by dates of onset being reported. With one exception, during the past twenty years, the peak month has been September. During 1946 there was a marked reduction in the number of cases in September, and only 39, 27 and 21 cases were reported during this three weeks period. In the past ten years, the highest number of cases have always been reported during the first two weeks in September. During the first two weeks in October, there

was an increase in the number of cases reported, and a second peak was noted on October 12th, when 37 cases were reported. From then on, the incidence of Poliomyelitis declined until the third week in November, when a third peak occurred. 14 cases were reported. The last peak occurred during the first week in December, when 7 cases were reported. During the month of December, more cases of Poliomyelitis were reported than during any previous December in the history of reporting of Poliomyelitis in the Province.

The geographic distribution of Poliomyelitis during 1946 was rather general throughout the Province, with the exception of eleven counties and districts. Cases were reported from Essex to Carleton County, in the southern part of the Province. In the northern part, only the districts of Algoma, Kenora and Manitoulin did not report cases. While Poliomyelitis was reported from 38 of the 49 counties and districts, only 8 of these counties or districts reported more than a dozen cases. Carleton, Essex and York Counties accounted for more than 60 per cent of the cases. Middlesex, Northumberland and Durham, Stormont, Dundas and Glengarry, Victoria and Wentworth were the counties with 12 or more cases and less than 22.

Of the 512 cases reported, 453 or 88.4% were provided with free hospitalization by the Ontario Government. This included maintenance, physiotherapy and special nursing care for cases receiving treatment in respirators. The treatment was provided in ten approved hospitals, located in strategic centres. The Ontario Government owns and maintains 17 respirators placed in the various hospitals throughout the Province for use on emergency occasions.

The average stay in hospital for the cases ranged from 15 to 43 days. The more severe cases are still undergoing treatment in the various hospitals.

While reports to date are only tentative, about 47% of the cases were of the abortive type. Poliomyelitis is a disease of childhood. 400 or 76.1% of the cases were in the 0-14 age group. 43.5% of the cases in this age group were of the abortive or non-paralytic type of the disease. Of the 146 cases said to have some paralysis on admission, 30, or 27.5%, are reported to have completely recovered. There were 30 deaths reported during the year, a mortality rate of .7 per 100,000. The case fatality rate was 5.8 per cent.

---

The balance of the report consists of statistical data. Table 5 shows the number of cases and deaths of communicable diseases for a comparative five-year period, as compiled from the weekly reports sent in by the 889 municipalities.

Table 6 shows the geographical distribution of certain communicable diseases reported for the year.

Table 7, the monthly incidence of cases and deaths of communicable diseases reported.

Table 8, distribution of literature and record forms used in immunization against Diphtheria, Smallpox, Whooping Cough and Scarlet Fever.

This Division distributes free biological products to physicians and local Boards of Health. Insulin is also distributed free to indigent patients throughout the Province. All distribution and accounting for these products is carried out by this Division, as shown in the following tables.

Tables 9, 10, 11 and 12 deal with the distribution of Insulin to indigent patients.

Table 13 shows the number of vials and cost of the various biological products distributed by months, during the fiscal year 1945-46.

Tables 14, 15, 16 and 17 are tables showing the total costs of the products distributed during the year, and comparative costs for previous year.

Tables 18 to 21 show the annual distribution and cost of Tuberculin.

TABLE 5  
FIVE-YEAR INCIDENCE—REPORTED CASES AND DEATHS, ONTARIO  
1942-1946

DISEASES	1942		1943		1944		1945		1946	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths*
Actinomycosis . . . .	1	4	2	1	2	0	0	0	0	0
Anthrax . . . . .	1	0	0	0	0	0	0	0	1	1
Meningitis (Meningococcus) . . .	276	30	185	32	162	24	81	11	88	21
Chickenpox . . . . .	12,928	0	13,026	0	14,305	1	12,494	4	13,402	0
Conjunctivitis . . . .	1	0	13	0	62	0	9	0	4	0
Diphtheria . . . . .	143	15	75	6	182	11	253	24	455	41
Dysentery . . . . .	13	0	9	1	21	2	46	0	97	1
Encephalitis (Lethargica) . . . .	1	1	5	6	2	1	2	4	6	1
Erysipelas . . . . .	80	2	64	2	76	5	56	3	65	1
Gonorrhoea . . . . .	6,220	0	6,543	1	6,481	0	5,640	0	6,448	0
Influenza . . . . .	1,298	19	7,312	83	4,708	91	2,374	16	1,825	27
Infectious Jaundice .	54	0	83	5	138	5	218	3	266	6
German Measles . . .	1,591	0	2,178	0	2,108	1	1,108	1	1,244	0
Malaria . . . . .	1	0	1	0	6	0	3	0	2	0
Measles . . . . .	6,790	2	28,409	5	16,882	8	8,713	3	32,917	12
Mumps . . . . .	16,806	0	27,250	0	7,016	1	5,233	0	11,615	2
Paratyphoid Fever . .	46	2	36	2	20	1	28	0	40	0
Pneumonia (all types) . . . . .	752	1,476	1,214	1,709	1,051	1,660	755	1,338	592	1,565
Poliomyelitis . . . .	89	1	81	8	333	20	183	4	512	30
Psittacosis . . . . .	1	0	0	0	0	0	0	0	0	0
Puerperal Sepsis . . .	1	2	4	5	1	6	0	3	0	0
Scarlet Fever . . . .	8,354	24	6,857	14	7,878	14	3,684	8	3,279	7
Septic Sore Throat (Epidemic Type) . . .	280	7	170	5	67	2	75	2	110	2
Smallpox . . . . .	0	0	0	0	0	0	0	0	0	0
Syphilis . . . . .	5,952	57	6,975	50	5,412	67	4,222	43	4,428	34
Tetanus . . . . .	9	8	10	6	12	5	11	10	14	4
Trachoma . . . . .	1	0	0	0	0	0	0	0	0	0
Trichinosis . . . . .	0	0	15	1	1	0	0	0	1	0
Tuberculosis . . . . .	2,560	356	2,789	376	2,731	330	2,393	298	2,769	333
Tularemia . . . . .	0	0	3	1	3	0	0	0	1	0
Typhoid Fever . . . .	109	8	60	9	78	0	58	4	84	5
Undulant Fever . . . .	69	3	65	0	55	0	83	0	80	0
Whooping Cough . . .	4,313	7	6,970	24	2,952	8	2,309	5	3,181	8

\*Tentative figures.

TABLE 6  
GEOGRAPHIC DISTRIBUTION OF CASES AND DEATHS, ONTARIO, 1946

COUNTY OR DISTRICT	Meningitis (Meningo- coccus)		Diphtheria		Salmonella		Poliomyelitis		Typhoid		Undulant Fever	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Algoma.....	1	...	8	1	...	...	...	...	1	...	...	...
Brant.....	...	...	...	...	...	...	10	...	...	...	2	...
Bruce.....	...	...	...	...	...	...	1	...	2	...	2	...
Carleton.....	13	1	187	23	...	...	67	4	8	1	3	...
Cochrane.....	5	2	46	2	4	...	1	...	4	1	...	...
Dufferin.....	...	...	...	...	...	...	2	...	...	...	...	...
Elgin.....	...	...	...	...	...	...	7	...	2	...	1	...
Essex.....	...	2	2	...	...	...	67	4	...	...	1	...
Frontenac.....	7	...	2	...	7	...	8	...	1	...	1	...
Grey.....	...	...	2	...	...	...	1	...	1	...	1	...
Haldimand.....	...	...	2	...	...	...	...	...	...	...	2	...
Haliburton.....	...	...	1	...	...	...	...	...	1	...	3	...
Halton.....	...	...	...	...	...	...	...	...	...	...	...	...
Hastings.....	...	...	2	...	...	...	...	...	...	...	2	...
Huron.....	...	1	1	1	...	...	...	...	1	...	1	...
Kenora.....	3	1	7	...	...	...	...	...	1	...	2	...
Kent.....	1	1	1	...	1	...	5	...	1	1	...	...
Lambton.....	1	...	3	...	5	...	11	...	1	...	5	...
Lanark.....	...	...	...	...	...	...	...	...	...	...	3	...
Leeds and Grenville.....	...	...	...	...	...	...	3	...	1	...	1	...
Lennox and Addington.....	...	...	...	...	...	...	...	2	...	...	...	...
Lincoln.....	1	...	2	1	1	...	3	2	1	...	1	...
Manitoulin.....	...	...	...	...	...	...	...	...	...	...	...	...
Middlesex.....	2	...	9	3	...	...	18	2	1	...	1	...
Muskoka.....	...	...	4	...	...	...	2	...	1	...	...	...
Nipissing.....	1	...	2	...	...	...	2	...	1	...	1	...
Norfolk.....	1	...	...	...	...	...	3	...	...	...	2	...

TABLE 6—Continued  
GEOGRAPHIC DISTRIBUTION OF CASES AND DEATHS, ONTARIO, 1946

COUNTY OR DISTRICT	Meningitis (Meningococcus)		Diphtheria		Salmonella		Poliomyelitis		Typhoid		Undulant Fever	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Northumberland and Durham.....	1	1	2	...	...	...	13	1	...	...	2	...
Ontario.....	...	...	...	...	3	...	6	...	...	...	2	...
Oxford.....	...	...	...	...	2	...	...	...	1	...	2	...
Parry Sound.....	...	...	34	2	...	...	2	...	...	...	6	...
Peel.....	2	...	...	...	...	...	3	...	...	...	...	...
Perth.....	...	...	...	...	1	...	4	...	...	...	...	...
Peterborough.....	...	...	2	...	...	...	6	...	...	...	4	...
Prescott and Russell.....	...	...	16	...	...	...	6	...	2	...	...	...
Prince Edward.....	...	...	...	...	2	...	...	...	1	...	1	...
Rainy River.....	1	...	5	...	...	...	1	...	...	...	1	...
Renfrew.....	...	...	16	1	...	...	3	2	1	...	1	...
Simcoe.....	3	1	10	...	...	...	...	...	...	...	...	...
Stormont, Dundas and Glengarry.....	...	...	1	...	...	...	21	1	27	...	8	...
Sudbury.....	1	...	34	1	...	...	2	...	3	...	...	...
Temiskaming.....	2	1	3	...	1	...	1	...	...	...	...	...
Thunder Bay.....	2	1	14	2	1	1	10	1	1	...	...	...
Victoria.....	...	...	1	...	1	...	12	...	...	...	1	...
Waterloo.....	...	...	2	...	...	...	...	...	1	...	4	...
Welland.....	2	1	...	...	...	...	2	1	...	...	...	...
Wellington.....	...	...	5	3	...	...	2	...	...	...	3	...
Wentworth.....	5	2	...	...	5	...	13	2	1	...	1	...
York.....	33	6	27	1	6	...	186	10	11	1	12	...
TOTALS.....	88	21	455	41	40	...	512	30	84	5	80	...



TABLE 7  
MONTHLY INCIDENCE OF COMMUNICABLE DISEASES—CASES AND DEATHS—1946

DISEASES	January		February		March		April		May		June		July		August	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Actinomycosis																
Cerebrospinal Meningitis																
(Meningococcus)	10	3	9	3	15	5	7		8	1	10	2	2		10	
Chickenpox	1,650		1,166		1,225		817		1,082		2,038		794		359	
Conjunctivitis	2															1
Diphtheria	47	4	30	4	43	4	20	4	31	7	38	3	28	1	24	2
Dysentery	4		44		2				8		4		1		1	
Encephalitis		1	3												1	
Erysipelas	4		6		8		8		6		3		6		1	
German Measles	110		133		350		183		138		128		49		2	
Gonorrhoea	496		603		672		504		449		643		493		17	
Infectious Jaundice	24	1	29	1	11	1	9		7		14		16		633	
Influenza	537	9	669	6	180	6	81	3	27	1	190	2	8		2	2
Malaria															5	
Measles	4,504	1	5,870	3	7,461	2	4,827	1	3,748	2	3,566	3	1,325		371	
Mumps	677		748		1,342		1,145		1,571		1,718	1	548		420	
Paratyphoid Fever			5		6				1		5		3		6	
Pneumonia	80	160	74	174	72	190	49	123	53	95	54	136	32	119	1	107
Poliomylitis			1		1		1		1		3		24		152	7
Scarlet Fever	295	1	317		346		293	1	222		274	1	120	1	132	1
Septic Sore Throat			10		10				14	1	12		24		7	
Smallpox																
Syphilis	372	4	420	3	485	3	352	3	365	1	451	5	303	1	343	5
Tetanus					4		1		1				3		2	
Tuberculosis	192	24	201	22	323	22	239	23	251	32	264	34	240	39	223	42
Tularaemia																
Typhoid Fever	7		6		20	1	7		5	1	4		7	2	9	
Undulant Fever			2		10		8		7		18		8		8	
Whooping Cough	156	1	159		249	1	196		276	1	423		270	3	274	

TABLE 7—Continued  
MONTHLY INCIDENCE OF COMMUNICABLE DISEASES—CASES AND DEATHS—1946

DISEASES	September		October		November		December		1946		1945		1944	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Actinomycosis.....	5	2	3	1	9	2	..	..	88	21	81	11	2	..
Cerebrospinal Meningitis (Meningococcus)...	407	..	586	..	1,621	..	..	..	13,402	..	12,494	4	162	24
Chickenpox.....	..	..	..	..	..	..	1,657	..	..	..	9	..	14,305	1
Conjunctivitis.....	28	2	55	3	76	6	35	1	455	41	253	24	182	11
Diphtheria.....	2	..	5	..	13	..	13	1	97	1	46	..	21	2
Dysentery.....	..	..	..	..	..	..	2	..	6	1	2	4	2	1
Encephalitis.....	3	..	6	..	10	1	3	..	65	1	56	3	76	5
Erysipelas.....	22	..	23	..	56	..	35	..	1,244	..	1,108	1	2,108	1
German Measles.....	510	..	513	..	562	..	370	..	6,448	..	5,640	..	6,481	..
Gonorrhoea.....	40	..	38	1	41	..	35	..	266	6	218	3	138	5
Infectious Jaundice.....	58	..	28	..	17	..	25	..	1,825	27	2,374	16	4,708	91
Influenza.....	..	..	..	..	..	..	..	..	2	..	3	..	6	..
Malaria.....	173	..	343	..	350	..	379	..	32,917	12	8,713	3	16,882	8
Measles.....	307	..	638	..	1,300	..	1,201	1	11,615	2	5,233	..	7,016	1
Mumps.....	2	..	4	..	7	..	1	..	40	..	28	..	20	1
Paratyphoid Fever.....	52	110	32	91	37	140	56	120	592	1,565	755	1,338	1,051	1,660
Pneumonia.....	133	8	114	10	57	1	23	1	512	30	183	4	333	20
Polio-myelitis.....	165	..	241	..	461	2	413	..	3,279	7	3,684	8	7,878	14
Scarlet Fever.....	2	..	10	..	1	..	13	1	110	2	75	2	67	2
Septic Sore Throat.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Smallpox.....	308	2	291	2	440	2	298	3	4,428	34	4,222	43	5,412	67
Syphilis.....	2	1	..	..	..	..	1	..	14	4	11	10	12	5
Tetanus.....	178	25	175	23	265	23	218	24	2,769	333	2,393	298	2,731	330
Tuberculosis.....	..	..	..	..	..	..	1	..	1	..	..	..	3	..
Tularemia.....	..	..	..	..	1	1	1	..	84	5	58	4	78	..
Typhoid Fever.....	10	..	7	..	1	..	1	..	80	..	83	..	55	..
Undulant Fever.....	8	..	4	..	3	..	4	..	..	..	..	..	..	..
Whooping Cough.....	216	1	231	..	395	1	336	..	3,181	8	2,309	5	2,952	8

TABLE 8  
DISTRIBUTION OF LITERATURE

The following table shows the distribution of literature by this Division during the past year.

Infectious Disease Literature	No. of Copies Distributed	Recording Forms	No. of Forms Distributed
Regulations—		Diphtheria—	
Physicians.....	1,361	Consent Forms.....	29,270
School Use.....	515	Certificates.....	19,050
Immunization Literature..	2,160	Scarlet Fever—	
		Consent Forms.....	6,340
		Certificates.....	6,000
Poliomyelitis Pamphlets...	2,008	Smallpox—	
		Consent Forms.....	28,450
		Certificates.....	20,250
		Whooping Cough—	
		Certificates.....	4,850
		Immunization Record	
		Cards.....	16,165
Total.....	6,044	Total.....	130,375
Total—136,419			

TABLE 9  
ANNUAL DISTRIBUTION OF INSULIN FOR SHOCK THERAPY  
Fiscal Year 1945-46

MONTHS	No. of Vials 1,000 Units	Cost
1945		
April.....	100	\$140.00
May.....	.....	.....
June.....	100	140.00
July.....	.....	.....
August.....	.....	.....
September.....	100	140.00
October.....	.....	.....
November.....	577	807.80
December.....	500	700.00
1946		
January.....	.....	.....
February.....	100	140.00
March.....	500	700.00
Total.....	1,977	\$2,767.80

TABLE 10  
ANNUAL DISTRIBUTION OF INSULIN BY AREA (Toronto and Province)  
Fiscal Year 1945-46

RESIDENCE OF PATIENTS REQUIRING INSULIN	Male	Female	Total
City of Toronto.....	242	619	861
Province of Ontario, exclusive of Toronto.....	811	1,551	2,362
Totals.....	1,053	2,170	3,223

TABLE 11  
ANNUAL DISTRIBUTION OF INSULIN  
Fiscal Year 1945-46

TYPE OF INSULIN	Units per Vial	No. of Vials	Cost per Vial	Total Cost
Insulin—Toronto.....	200	2,646	\$ .33	\$873.18
" " ".....	400	22,695	.58	13,163.10
" " ".....	800	2,580	1.12	2,889.60
" " ".....	1,000	1,977	1.40	2,767.80
Protamine Zinc.....	400	36,109	.65	23,470.85
" " ".....	800	5,127	1.25	6,408.75
Total.....				\$49,573.28

TABLE 12  
MONTHLY DISTRIBUTION OF INSULIN  
Fiscal Year 1945-46

MONTHS	TYPES OF INSULIN						Cost, All Types
	INSULIN-TORONTO No. of Vials Distributed				PROTAMINE ZINC INSULIN No. of Vials Distributed		
	200 Unit	400 Unit	800 Unit	1000 Unit	400 Unit	800 Unit	
1945							
April.....	308	2,101	256	100	3,366	459	\$4,508.59
May.....	255	2,031	99	...	2,748	387	3,642.96
June.....	62	1,934	349	100	3,158	424	4,255.76
July.....	285	2,005	160	...	3,386	455	4,205.80
August.....	186	1,412	200	...	2,124	320	2,884.94
September....	235	2,211	172	100	3,084	457	4,268.42
October.....	165	1,837	184	...	3,383	581	4,251.19
November.....	197	1,971	339	577	3,161	407	4,959.07
December.....	319	2,030	236	500	2,884	399	4,620.34
1946							
January.....	276	1,648	187	...	2,921	489	3,766.26
February.....	234	1,829	219	100	2,958	500	4,071.02
March.....	124	1,686	179	500	2,936	249	4,138.93
Total.....	2,646	22,695	2,580	1,977	36,109	5,127	\$49,573.28

TABLE 13  
BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION  
Fiscal Year 1945-46

MONTH	DIPHTHERIA ANTITOXIN								ANTI-MEASLES SERUM				
	1M Units Vials	Cost	10M Units Vials	Cost	20M Units Vials	Cost	40M Units Vials	Cost	Syrin- ges	Cost	5 cc Vials	Cost	
1945	April.....	56	\$ 7.84	52	\$ 62.40	27	\$ 64.80	15	\$ 72.00	50	\$10.00	.....	
	May.....	50	7.00	.....	.....	.....	.....	6	28.80	.....	.....	.....	
	June.....	108	15.12	4	4.80	7	16.80	18	86.40	.....	.....	.....	
	July.....	150	21.00	67	80.40	67	160.80	76	364.80	.....	.....	\$50.00	
	August.....	141	19.74	81	97.20	94	225.60	40	192.00	.....	.....	.....	
	September.....	305	42.70	66	79.20	127	304.80	43	206.40	.....	.....	.....	
	October.....	411	57.54	120	144.00	133	319.20	105	504.00	.....	.....	.....	
	November.....	387	54.18	310	372.00	248	595.20	175	840.00	50	10.00	.....	
	December.....	457	63.98	223	267.60	185	444.00	88	422.40	50	10.00	.....	
	1946	January.....	336	47.04	341	409.20	325	780.00	169	811.20	27	5.40	.....
		February.....	200	28.00	46	55.20	74	177.60	60	288.00	25	5.00	.....
		March.....	195	27.30	116	139.20	231	554.40	106	508.80	25	5.00	.....
TOTALS.....	2,796	\$ 391.44	1,426	\$1,711.20	1,518	\$3,643.20	901	\$4,324.80	227	\$ 45.40	50	\$ 50.00	





TABLE 13—Continued  
BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION

DIPHTHERIA TOXOID										TETANUS ANTITOXIN									
MONTH	ALUM				Toxoid with PERTUSSIS (Combined)				1,500 Unit Vials	Cost	10M Unit Vials	Cost	20M Unit Vials	Cost	Syrin- ges	Cost	10M Out- fits	Cost	
	Two 1cc Ampoules		Four 6cc Ampoules		Three 2cc Ampoules		Six 6cc Ampoules												
	Pkg.s.		Cost		Pkg.s.		Cost												
	Pkg.s.		Cost		Pkg.s.		Cost												
	Pkg.s.		Cost		Pkg.s.		Cost												
1945																			
April	.....	.....		\$ 7.00	2,499	\$ 1,499.40	604	\$ 1,781.80	3,818	\$ 1,107.22	28	\$ 49.00	57	\$ 185.25	50	\$10.00	4	\$ 8.40	
May	.....	.....		.....	2,280	1,368.00	372	1,097.40	4,961	1,839.69	11	19.25	18	58.50	124	24.80	1	2.10	
June	.....	.....		.....	2,518	1,510.80	265	781.75	6,342	1,839.18	84	147.00	197	640.25	150	30.00	.....	.....	
July	.....	.....	24	\$ 9.00	2,076	1,245.60	291	858.45	7,350	2,131.50	113	197.75	102	331.50	100	20.00	2	4.20	
August	.....	.....	3	1.13	2,287	1,372.20	437	1,289.15	7,123	2,065.67	52	91.00	138	438.50	100	20.00	1	2.10	
September	.....	.....		.....	2,600	1,560.00	1,088	3,209.60	6,190	1,795.10	70	122.50	343	1,114.75	150	30.00	4	8.40	
October	.....	.....	13	4.88	3,489	2,093.40	1,123	3,312.85	5,061	1,467.69	137	239.75	188	611.00	112	22.40	11	23.10	
November	.....	.....		.....	4,013	2,407.80	1,049	3,094.55	6,180	1,792.20	42	73.50	29	94.25	162	32.40	.....	.....	
December	.....	.....		.....	3,088	1,852.80	371	1,094.45	3,578	1,037.62	9	1.575	14	45.50	50	10.00	1	2.10	
1946																			
January	.....	.....		1.75	4,362	2,617.20	647	1,908.65	3,925	1,138.25	16	28.00	45	146.25	50	10.00	3	6.30	
February	.....	.....		21.00	3,213	1,927.80	458	1,351.10	3,824	1,108.96	28	49.00	58	188.50	112	22.40	.....	.....	
March	.....	.....	6	2.25	3,054	1,832.40	521	1,536.95	3,831	1,110.99	55	96.25	82	266.50	125	25.00	.....	.....	
TOTALS	46	\$17.26	82	\$143.50	35,479	\$21,287.40	7,226	\$21,316.70	62,183	\$18,033.07	645	\$1,128.75	1,271	\$4,130.75	1,285	\$257.00	28	\$58.80	

TABLE 13—Continued  
BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION

MONTH	SCARLET FEVER ANTITOXIN					SCARLET FEVER TOXIN					
	Prophy- lactic doses	Cost	Treat- ment doses	Cost	Syrin- ges	Dick Test	Cost	For 1 Person		For 6 Persons	
								Pkgs.	Cost	Pkgs.	Cost
1945											
April.....	409	\$306.75	144	\$396.00	50	523	\$130.75	959	\$287.70	1,047	\$1,047.00
May.....	301	225.75	223	613.25	50	325	81.25	829	248.70	389	389.00
June.....	321	240.75	129	354.75	.....	489	122.25	775	232.50	159	159.00
July.....	358	268.50	288	792.00	50	422	105.50	490	147.00	85	85.00
August.....	202	151.50	143	393.25	.....	302	75.50	558	167.40	157	157.00
September.....	171	128.25	81	222.75	50	413	103.25	1,054	316.20	1,109	1,109.00
October.....	350	262.50	235	646.25	25	738	184.50	1,145	343.50	1,074	1,074.00
November.....	527	395.25	154	423.50	25	524	131.00	961	288.30	1,100	1,100.00
December.....	263	197.25	169	464.75	25	585	146.25	1,209	362.70	169	169.00
1946											
January.....	523	392.25	279	767.25	100	1,022	255.50	1,761	528.30	814	814.00
February.....	357	267.75	182	500.50	25	549	137.25	934	280.20	512	512.00
March.....	343	257.25	207	569.25	25	474	118.50	769	230.70	671	671.00
TOTALS.....	4,125	\$3,093.75	2,234	\$6,143.50	425	6,366	\$1,591.50	11,444	\$3,433.20	7,286	\$7,286.00

TABLE 13—Continued  
BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION

MONTHS	SMALLPOX VACCINE						RABIES VACCINE		PERTUSSIS VACCINE				TYPHOID VACCINE	
	1 Tube per Package		5 Tubes per Package		10 Tubes per Package		Treatment		For One Person		For Six Persons		10cc Vials	Cost
	Pkgs.	Cost	Pkgs.	Cost	Pkgs.	Cost	3 x 2 cc Am-poules	Cost	6 x 6cc Am-poules	Cost				
1945														
April.....	1,525	\$137.25	797	\$187.30	1,442	\$648.90	22	\$132.00	1,889	\$708.38	90	\$171.00	300	\$108.00
May.....	1,446	130.14	708	166.38	1,143	514.35	7	42.00	1,439	539.63	49	93.10	304	109.44
June.....	1,968	177.12	909	213.62	873	392.85	24	144.00	1,659	622.13	44	83.60	439	158.04
July.....	1,208	108.72	516	121.26	386	173.70	10	60.00	1,566	587.25	8	15.20	202	72.72
August....	1,699	152.91	718	168.73	496	223.20	....	....	1,136	426.00	20	38.00	279	100.44
September.	1,829	164.61	1,155	271.43	1,631	733.95	3	18.00	2,003	751.13	133	252.70	480	172.80
October....	1,521	136.89	839	197.17	1,518	683.10	....	....	2,019	757.13	225	427.50	445	160.20
November..	1,525	137.25	657	154.40	1,125	506.25	29	174.00	2,454	920.25	263	499.70	189	68.04
December..	1,052	94.68	560	131.60	821	369.45	6	36.00	1,338	501.75	99	188.10	420	151.20
1946														
January....	1,557	140.13	604	141.94	1,041	468.45	17	102.00	1,961	735.38	156	296.40	367	132.12
February...	1,287	115.83	567	133.25	1,039	467.55	....	....	863	323.63	67	127.30	277	99.72
March....	1,708	153.72	612	143.82	1,344	604.80	14	84.00	1,349	505.88	136	258.40	343	123.48
TOTALS..	18,325	\$1,649.25	8,642	\$2,030.90	12,859	\$5,786.55	132	\$ 792.00	19,676	\$7,378.54	1,290	\$2,451.00	4,045	\$1,456.20

TABLE 14  
BIOLOGICAL PRODUCTS—ANNUAL DISTRIBUTION

Fiscal Year 1945-46

<b>DIPHTHERIA:</b>			
Antitoxin.....	2,796 x 1M units vials at.....	\$ .14 each.....	\$ 391.44
	1,426 x 10M units vials at.....	1.20 each.....	1,711.20
	1,518 x 20M units vials at.....	2.40 each.....	3,643.20
	901 x 40M units vials at.....	4.80 each.....	4,324.80
Total.....			\$10,070.64
Toxin for Schick Test	4,923 Outfits at.....	.25 each.....	\$ 1,230.75
Toxoid.....	18,433 x 1 person packages.....	.27½ each.....	5,069.11
	1,119 x One 3 cc ampoules packages at...	.21 each.....	234.99
	1,385 x Six 3 cc ampoules packages at...	1.12 each.....	1,551.20
	5,687 x Six 6 cc ampoules packages at...	1.75 each.....	9,952.25
	656 Reaction Test ampoules at.....	.10 each.....	65.60
	670 Diluted for Reactors packages at...	.25 each.....	167.50
	46 Alum 2 x 1 cc ampoules packages at	.37½ each...	17.26
	82 Alum 4 x 6 cc ampoules packages at	1.75 each.....	143.50
Total.....			\$18,432.16
<b>TOXOID WITH PERTUSSIS:</b>			
(Combined).....	35,479 Three 2 cc ampoules packages at...	\$ .75 each.....	21,287.40
	7,226 Six 6 cc ampoules packages at.....	3.65 each.....	\$ 21,316.70
Total.....			\$42,604.10
<b>TETANUS:</b>			
Antitoxin.....	62,183 x 1,500 units vials at.....	\$ .29 each.....	\$18,033.07
	645 x 10,000 units vials at.....	1.75 each.....	1,128.75
	1,271 x 20,000 units vials at.....	3.25 each.....	4,130.75
Intraspinal Outfits...	28 x 10,000 units with outfits at.....	2.10 each.....	58.80
Total.....			\$23,351.37
<b>SCARLET FEVER:</b>			
Antitoxin.....	4,125 Prophylactic doses at.....	\$ .75 each.....	\$ 3,093.75
	2,234 Treatment doses at.....	2.75 each.....	6,143.50
Total.....			\$ 9,237.25
Toxin for Dick Test..	6,366 Outfits at.....	.25 each.....	\$ 1,591.50
Toxin.....	11,444 x 1 Person packages at.....	.30 each.....	3,433.20
	7,286 x 6 Person packages at.....	1.00 each.....	7,286.00
Total.....			\$12,310.70
<b>SMALLPOX:</b>			
Vaccine.....	18,325 x 1-point packages at.....	\$ .09 each.....	\$ 1,649.25
	8,642 x 5-point packages at.....	.23½ each...	2,030.90
	12,859 x 10-point packages at.....	.45 each.....	5,786.55
Total.....			\$ 9,466.70
<b>RABIES:</b>			
Vaccine.....	132 Treatments at.....	\$6.00 each.....	\$ 792.00
<b>PERTUSSIS:</b>			
Vaccine.....	19,676 x Three 2 cc ampoules packages at	\$ .37½ each..	\$ 7,378.54
	1,290 x Six 6 cc ampoules packages at...	1.90 each.....	2,451.00
Total.....			\$ 9,829.54
<b>TYPHOID-PARATYPHOID:</b>			
Vaccine.....	4,045 10 cc vials at.....	\$ .36 each.....	\$ 1,456.20
ANTI-MEASLES SERUM...	50 x 5 cc vials at.....	\$1.00 each.....	\$ 50.00



TABLE 15  
BIOLOGICAL PRODUCTS AND INSULIN—Continued  
Fiscal Year 1945-46

SUMMARY OF ANNUAL DISTRIBUTION	Costs
Diphtheria Products.....	\$ 28,502.80
Diphtheria Toxoid and Pertussis Vaccine (Comb.).....	42,604.10
Tetanus Products.....	23,351.37
Scarlet Fever Products.....	21,547.95
Smallpox Vaccine.....	9,466.70
Rabies Vaccine.....	792.00
Pertussis Vaccine.....	9,829.54
Typhoid-paratyphoid Vaccine.....	1,456.20
Anti-Measles Serum.....	50.00
Syringes.....	387.40
Cost of Biological Products and Syringes.....	\$ 137,988.06
Less Sale of Syringes (\$387.40)—NET COST.....	137,600.66

TABLE 16  
SUMMARY OF ANNUAL DISTRIBUTION  
Fiscal Year 1945-46

PRODUCT	Costs
Biological Products—Gross Cost.....	\$ 137,988.06
Insulin—All types—Cost.....	49,573.28
Total Cost.....	\$ 187,561.34
Less Sale of Biological Syringes.....	387.40
Net Cost.....	\$ 187,173.94

TABLE 17  
COMPARATIVE STATEMENT OF COSTS—1945-46

COSTS OF DISTRIBUTION BY FISCAL YEARS			1945-46 Increase or decrease over 1944-45
A. Biological Products.....	1944-45	1945-46	
(a) ACTIVE IMMUNIZATION:			
Diphtheria Toxoid.....	\$ 17,123.13	\$18,432.16	\$ 1,309.03
Diphtheria Toxoid with Pertussis Vaccine (comb.).....	28,091.00	42,604.10	14,513.10 I
Scarlet Fever Toxin.....	14,052.60	12,310.70	1,741.90 D
Smallpox Vaccine.....	7,917.28	9,466.70	1,549.42 I
Pertussis Vaccine.....	11,702.13	9,829.54	1,872.59 D
Rabies Vaccine.....	1,951.65	792.00	1,159.65 D
T. A. B. Vaccine.....	1,249.50	1,456.20	206.70 I
Total.....	\$ 82,087.29	\$ 94,891.40	\$12,804.11 I
(b) PASSIVE IMMUNIZATION:			
1. Prophylactic size package—			
Diphtheria Antitoxin.....	\$ 599.20	\$ 391.44	\$ 207.76 D
Tetanus Antitoxin.....	15,554.73	18,033.07	2,478.34 I
Scarlet Fever Antitoxin.....	4,461.75	3,093.75	1,368.00 D
Anti-Measles Serum.....		50.00	50.00 I
Total.....	\$ 20,615.68	\$ 21,568.26	\$ 952.58 I
2. Treatment size package—			
Diphtheria Antitoxin.....	\$ 8,923.20	\$ 9,679.20	756.00 I
Tetanus Antitoxin.....	4,570.70	5,318.30	747.60 I
Scarlet Fever Antitoxin.....	7,515.75	6,143.50	1,372.25 D
Anti-Meningococcus Serum.....	683.50		683.50 D
Perfringens Antitoxin.....	11.40		11.40 D
Total.....	\$ 21,704.55	\$ 21,141.00	563.55 D
Syringes.....	417.80	387.40	30.40 D
Total.....	\$124,825.32	\$137,988.06	\$ 13,162.74 I
Insulin.....	\$ 49,131.92	\$ 49,573.28	441.36 I
Biological Products and Insulin— Total Cost.....	\$173,957.24	\$187,561.34	\$ 13,604.10 I

D—Decrease. I—Increase.

TABLE 18  
ANNUAL DISTRIBUTION OF TUBERCULIN  
(Calendar Year-1946)

Private physicians supplied with tuberculin.....	446
Hospitals supplied with tuberculin.....	105
Provincial Branch Laboratories supplied with tuberculin.....	4
Provincial Travel Clinics supplied with tuberculin.....	3
Miscellaneous—Schools, Industries, etc., supplied with tuberculin.....	15

TABLE 19  
ANNUAL DISTRIBUTION OF TUBERCULIN  
Calendar Year—1946

TYPE	1cc Vials		5cc Vials		Total	
	No. of Vials	Contents (cc)	No. of Vials	Contents (cc)	No. of Vials	Contents (cc)
1 Solution.....	2,737	2,737	2,045	10,225	4,782	12,962
2 Solution.....	723	723	.....	.....	723	723
Total.....	3,460	3,460	2,045	10,225	5,505	13,685

TABLE 20  
ANNUAL DISTRIBUTION OF TUBERCULIN—BY COSTS  
Calendar Year—1946

TYPE	No. of Vials	Cost per Vial	Total Cost
No. 1 Sol. (1cc).....	2,737	\$ .30	\$ 821.10
No. 1 Sol. (5cc).....	2,045	.95	1,942.75
No. 2 Sol. (1cc).....	723	.35	253.05
Totals.....	.....	.....	\$3,016.90

TABLE 21  
COMPARATIVE STATEMENT—TUBERCULIN DISTRIBUTION AND COST  
1945-1946

TYPE	1945		1946		Increase or Decrease
	Vials	Cost	Vials	Cost	Cost
No. 1 Sol. (1cc).....	2,060	\$ 618.00	2,737	\$ 821.10	\$203.10 I
No. 1 Sol. (5cc).....	1,575	1,496.25	2,045	1,942.75	446.50 I
No. 2 Sol. (1cc).....	868	303.80	723	253.05	50.75 D
Total.....	.....	\$2,418.05	.....	\$3,016.90	\$598.85 I

D—Decrease. I—Increase.

## DIVISION OF INDUSTRIAL HYGIENE

J. G. CUNNINGHAM, M.B., D.P.H., *Director*

### HEALTH SERVICES IN INDUSTRY

Conditions attendant upon reconversion to a peace-time basis have had a retarding influence in the development of medical services in industry for the maintenance of health. The subject has been under consideration by many companies, small and large. A number of small companies have started this year. It is gratifying that certain other companies with Dominion-wide organization are making provision for a well integrated service of this type. The proposal whereby all industries in certain communities might embark on the project with limited technical help from the Department has been delayed partly from lack of suitable personnel.

There has been an increase in personnel interested in preparation for this type of work but the demand from industry is still not sufficient to warrant any considerable diversion from other medical activities. The position regarding nurses is quite different from that of physicians since nurses are mainly employed by industry on a full time basis. There are about 196 physicians retained on part time basis with only 12 full time. The time of the consulting industrial nurse of the Division is increasingly consumed in finding suitable nurses either for new services or as replacements and in guiding those nurses interested into adequate preparation for the work. This year the University of Western Ontario gave a short refresher course for industrial nurses attended by fifty-one nurses. A group of eight post-graduate nurses at the School of Nursing, University of Toronto, are taking lectures and field work in this subject. Field work for other post-graduate students has been arranged by the Division. Industrial executives have co-operated wholeheartedly in these endeavours. There are at present in Ontario about four hundred and fifty nurses in three hundred and twenty-five industries. The effort is made to keep in touch with them directly and through the various nursing organizations. These nurses supplement the work of the industrial physician in a manner for which there is no substitute especially in the subject of health education, both by personal contact and through the judicious distribution of literature on the subject.

#### *Occupational Diseases:*

More attention has been directed to known exposures which warranted less consideration during the war. There is still some delay in supplying equipment for the engineering control of certain occupational diseases.

#### *Fumes from Electric Furnaces:*

These fumes vary widely in their toxicity. Most of them are not considered to present a special health hazard. The high temperatures at which they are produced favour the removal from a working area by convection currents but there may be still considerable exposure to very fine particles which should be removed from the factory. This can be done with ventilation, but more difficult is the adequate disposal of such dust and fumes. Examination with the electron microscope shows an amorphous dust of less than 0.1 micron particle size. Existing methods are very expensive and not entirely satisfactory. Complaints are received from adjacent premises. The subject of the collection and disposal of these fumes requires research. One municipality has enlisted the services of

the Department of Reconstruction through its contact with the National Research Council for this purpose.

#### *Radioactive Substances:*

Testing to determine exposures in the smelting and refining of pitchblende has continued. The recommendations for control have been acted upon in a co-operative manner by the company. Radium dial painting is greatly curtailed, with corresponding reduction in the hazard from this source. Close check on radiation levels have been made at a salvage operation to recover radium. The demand for uranium in connection with work on atomic energy has increased the supply of radium, stimulating new uses. Some of these already involve gadgets having a wide distribution which may present a hazard to the general public and some affect industrial processes. Specific precautions are necessary but a knowledge of where these articles and substances are to be used is the first requisite.

Equipment for the determination of radon in the breath of workers exposed to radioactive materials has been set up, originally in conjunction with the National Research Council. Considerable technical difficulty has been encountered. The equipment will make possible the measurement of radium to some extent in liquids as well as in gas samples.

Geiger-Mueller tests for information on the storage of radium in bones have been made on ninety employees from three companies.

The Division is represented by Dr. F. M. R. Bulmer on the Project Health Committee of the Petawawa Works of Defence Industries at Chalk River. The control of hazard from radioactive materials has been time consuming in relation to the number of workers involved and to the other work of the Division.

#### *Refining Bauxite:*

The study of those engaged in refining bauxite ore for abrasive purposes has continued. The medical findings have been the subject of a technical paper by Dr. C. G. Shaver, St. Catharines, and Dr. A. R. Riddell, of this Division. The examination of the amount and kind of fumes produced by chemical, spectroscopic x-ray diffraction and other methods proceeds. Animal experiments are under way at the School of Hygiene, University of Toronto. Studies on the subject have been initiated in Great Britain and United States also. A similar condition was reported from Germany during the War.

#### *Electroplating, Porcelain and Storage Battery Manufacture*

Field tests into the efficiency of plastic floats in the control of chromic acid mist over electroplating tanks were carried out. The use of these floats alone is unsatisfactory since concentrations of 20 mg. chromic acid per 10 cu.m. of air were found under these conditions. However, if the floats are used in conjunction with local exhaust, the concentration of chromic acid present in 10 cu.m. was 0.2 mg. as compared with 5 mg. when local exhaust alone was employed to control the mist.

A survey of the dust conditions in the porcelain industry gave the following results. Dust counts in the storage rooms ranged from 10-50 M particles per cu. ft., at fettling operations from 5-50 M, in slip houses from 2-20 M, at clay lathes from 5-20 M, in casting rooms from 1-2 M. Some of these are too high. Crushing operations (one plant only) caused very high counts of 500 M. The use of sagger sand is decreasing due to increased use of continuous kilns. However, although the filling of the saggars with sand is, in general, well controlled, the employing of these saggars gives rise to concentrations of about 7 M particles per cu. ft.



The lead hazard in two storage battery plants is compared. One of these plants purchases the pasted battery plates, thus eliminating the most serious lead hazard. In this plant, concentrations of 0.35 mg. lead per 10 cu. m. of air were found in the casting department, of 0.9 mg. lead in the plate assembly, and of 0.50 mg. lead in the final assembly. In the other plant, the concentrations of lead per 10 cu. m. were as follows: casting department, 1.1 mg.; plate pasting, 1.5-2.5 mg.; plate splitting 1.4-2.0 mg.; plate assembly, 1.9 mg.; final assembly, 0.70 mg. In both plants, local exhaust was provided at each operation with the exception of the final assembly but good housekeeping is essential to prevent lead dust rising from the floor, benches and clothing.

#### *Skin Irritation:*

Occupational dermatitis encountered show solvents and oils as first causative agents, alkalis second, cement third, with various types of glue next. Prominent are cases in which exposure has continued for many years with no effect. Such cases when they develop are apt to resist treatment indefinitely. They emphasize that exposure should be kept at a minimum even if eruption does not appear. There was one group of twenty-five cases of chloracne from exposure to halowax. None presented other clinical evidence of damage. The exposure was discontinued. There were two acute cases of poisoning from nitrobenzene with recovery, from its use as a solvent for removing dyes where much less dangerous solvents were adequate. The number of protracted dermatitis cases which has reached medical care late and the number complicating minor accidents to the skin emphasize the danger of unsuitable home remedies where external irritants have damaged the skin. About four thousand claims for compensation for dermatitis were reviewed in the light of known exposure to irritants partly to detect any unexplained concentration of cases or lack of emphasis on prevention.

#### *Silica Dust:*

Chest x-ray examination with follow-up, including physical examination of suspects in dust trades, has been resumed with the return of staff from the Armed Services. There is a demand for periodic examination of workers in silica trades like granite cutting and foundries. About 1,750 x-ray films were submitted for interpretation regarding the effects of dust from outside the Province. For compensation purposes in the Province nearly 600 claimants were examined with a view to diagnosis and disability rating for silicosis and tuberculosis.

Visitors from Great Britain, Australia, Norway, Belgium and South America included the Division in the course of their enquiry regarding the use of aluminum inhalations for those exposed to silica dust.

Miscellaneous exposures involving a variety of physical examinations or chemical and engineering analyses with recommendations for improvement include the ventilation of large galvanizing tanks, irritation from dust from Brazilian cotton, noise from textile machinery, lead in ship breaking, arseniuretted hydrogen in a tank car, carbon monoxide in garages.

The Division has been unable to meet the demand for chest x-ray of employees where no dust exposure exists. Only thirteen thousand of these have been done this year. Active tuberculosis was discovered in .18 per cent and other chest abnormalities, including those of the heart, in about  $3\frac{1}{2}$  per cent. Chest x-rays as part of preplacement examinations totalled twenty-six hundred, about one thousand of these for the Civil Service Health Centre. The National Sanatorium Association at the Gage Institute has completed arrangements whereby chest x-rays are available as part of physical examination on employment and periodic examination for employees in Toronto when provided by the employer as part of a health service.

*Factory Health Legislation:*

Under the provisions of The Factory, Shop and Office Building Act, engineers of the Division, in co-operation with the Examiner of Plans, Department of Labour, reviewed plans submitted for new factory construction and made recommendations for engineering control of health hazards in the processes to be installed. Very effective work is done at this stage.

Further to the new regulations on terminal grain elevators under this Act specifications for ventilation in more useful form are under consideration. Plans for installation to conform with the regulations are reviewed and visits made where necessary.

Existing regulations are being reviewed in relation to good engineering practice for local exhaust ventilation for the control of dust and fumes. Wide variations exist from one jurisdiction to another. Standard practice in accessible form adapted to specific health needs should facilitate more effective installations. Ventilation for grinding and buffing wheels and woodworking machines have claimed attention first.

Considerable laboratory analyses of samples from exposures to solvents indicate that the less toxic of these materials are in general use. No sample was detected containing benzol which was not labelled to show its presence as required by regulation.

Periodic reports of physical examinations of employees were received from seventeen companies with lead exposure, from six companies with benzol exposure and from three companies with radium exposure. These examinations are required for the detection of any early indication of poisoning due to a breakdown of mechanical measures for control. Blood samples for laboratory examination totalled 3,300 from 123 different physicians representing employees from 94 companies.

Expression should be given to the co-operative arrangements which have existed with the Factory Branch of the Labour Department, Workmen's Compensation Board, Industrial Accident and Prevention Associations, Employer and Employee Groups and, Physicians, in the course of the year.

Dr. G. M. Parker resumed his duties with the Division on his release from Armed Services in August.

Dr. J. R. Card left the service on December 1st for the practice of Dermatology following a period of special training.

*Radium and X-ray for Cancer:*

1. *Radium Emanation Plant*—The demand for radon at the cancer clinics has necessitated the addition of 100 mg. of radium to the emanation plant which is operated by the Department. The distribution has been as follows:

ANNUAL CONSUMPTION OF RADON, 1946

Centre	Orders	Seeds	Milli-curies	% of total mcs.
1. Toronto General Hospital.....	138	4,055	3,493	48.0
2. London, Victoria Hospital.....	59	1,391	1,321	18.2
3. Ottawa Civic Hospital.....	164	1,077	1,090	15.0
4. Hamilton General Hospital.....	33	259	321	4.4
5. Windsor, Metropolitan Hospital.....	27	305	308	4.3
6. Kingston General Hospital.....	38	238	240	3.3
7. Ottawa General Hospital.....	8	105	162	2.2
8. Other.....	63	456	335	4.6
Totals.....	530	7,886	7,270	100.0

2. Following a report of the loss of 60 mg. of radium from one of the hospitals, using the Geiger-Mueller counter, 40 mg. was recovered in ash from the hospital incinerator and 20 mg. from the city dump.

3. The output from x-ray equipment used for cancer therapy has been checked at the cancer clinics and equipment of this type has been calibrated at four other hospitals.

#### *Cyanide Fumigation:*

Under the Act and the Regulations regarding the use of cyanide compounds for fumigation of premises there were issued during 1946 3 new licenses for household, and 3 for commercial purposes.

There were 29 renewals for household fumigation and 18 commercial. The decrease in the number of permits for cyanide fumigation issued in Toronto is ascribed to the wide use of D.D.T.

Methyl bromide is used to some extent in household disinfestation but to a greater degree in commercial fumigation. This substance also presents a hazard. Fortunately there have been no accidents from the use of cyanide for this purpose during the year.

#### *Bedding Regulations:*

Nearly all Ontario manufacturers have co-operated with the Department. During most of the year suitable cloth for labels has been scarce. About 2,500 articles placed off sale or returned voluntarily to the manufacturer by the retailer due to mislabelling have come mainly from outside the Province. This situation has shown marked improvement due to inspection as these manufacturers become more familiar with what is required.

Unit or municipal Health Departments have undertaken to assist in the detection of unlabelled goods while sampling and testing remains with the Department. More attention can now be given to mislabelling. There were 250 samples of material collected and subjected to laboratory analysis. One-third of these gave tests for new material, and two-thirds for used material. About 2,200 inspection visits have been made, thirty per cent to manufacturers, fifty per cent to retailers, five per cent to suppliers, ten per cent to renovators and a miscellaneous group.

## ANALYSES AND FACTORY VISITS FOR LABORATORY ENQUIRY

TYPE OF INDUSTRY	No. of Samples	No. of Companies	INSPECTIONS		HAZARD
			No. of Visits	No. of Companies	
Abrasive.....	59	4	4	4	Silica.
Aircraft.....	8	2	1	1	Solvents, lead, skin irritant.
Army.....	7	2	...	...	Arsenic, lead.
Automobile.....	11	3	1	1	Lead, manganese, oxides of nitrogen.
Battery.....	48	4	3	3	Lead.
Ceramic.....	237	5	5	5	Solvents, silica, lead.
Chemical.....	4	4	...	...	Solvents, lead, skin irritant.
Clothing.....	2	1	1	1	Solvents.
Electrical equipment.....	10	4	1	1	Lead, antimony, cadmium, silica, mercury, solvents, chlorinated naphthalene, skin irritant.
Electro Plating.....	7	2	2	2	Chromic acid.
Food and Food Treatment	50	3	2	2	Arsenic, lead, silica.
Foundry and Foundry Sup- Supply.....	14	6	1	2	Lead, zinc, silica.
Furniture.....	3	2	...	...	Silica.
Garage.....	56	9	10	9	Carbon monoxide, lead, silica.
Glass.....	3	1	1	1	Silica.
Machinery.....	10	5	1	1	Solvents, silica, mercury, trichlorethylene.
Metallurgical.....	44	7	3	2	Solvents, silica, lead.
Metal Refineries.....	36	6	6	6	Uranium, lead, solvents, trichlorethylene.
Mines and Quarries.....	20	11	...	...	Silica, lead, carbon monoxide.
Oil.....	1	1	...	...	Solvents.
Painting.....	8	7	...	...	Lead, solvents.
Paint, Varnish and Lacquer	5	4	1	1	Lead, solvents.
Plastics.....	3	2	...	...	Solvents, skin irritant.
Printing.....	17	9	1	1	Silica, lead, solvents, nitrobenzene.
Rubber.....	12	5	2	2	Lead, silica, solvents.
Shipbuilding.....	9	2	2	1	Lead, solvents.
Textile.....	2	2	...	...	Lead, solvents.
Toy.....	2	1	...	...	Solvents, lead.
Transportation.....	6	3	...	...	Lead, solvents.
Miscellaneous.....	40	12	1	1	Solvents, lead, silica, arsenic, thorium, calcium, sulphate, nitrobenzene.
Unknown.....	34	...	...	...	Silica, lead, arsenic, mercury, solvents.
Total.....	768	129	49	47	

## THE REPORT OF CHIEF SANITARY INSPECTOR

The year just closed has brought the retirement of Mr. John Richardson, Provincial Sanitary Inspector, after 26 years service in the North Bay district, and the retirement of Mr. Hugh McIntyre after 20 years service in the Kirkland Lake district.

Mr. S. Harris, on his return to duty from active service overseas, has taken over the work in the North Bay district, and Mr. D. J. Wood, recently appointed,



has taken over the work in the Kirkland Lake district. Mr. A. S. O'Hara has resumed his duties in the Kenora district after an absence of six years on active service. Mr. Geo. Powell returned in January from military service and is now located in Timmins. Mr. D. E. Moore returned from active service overseas during the early part of the year and has now been granted six months' leave of absence to resume his studies at the Toronto University.

To fit in with the return of the District Sanitary Inspectors from overseas, the district boundaries covered by the Inspectors were adjusted accordingly. In these adjustments, consideration was given to the changed location of the various industrial camps and other conditions.

During the past year, industrial operators have shown a much keener interest in the Regulations, and have worked in close co-operation with the district Sanitary Inspectors in an effort to develop better living and environmental conditions in the logging camps. This is important since the camps are gradually moving further from community life.

More frequent meetings and consultations were encouraged with the operators dealing with such subjects as the Regulations, health services, sanitary conveniences, and the development of recreational centres, reading rooms, moving pictures, etc., in these camps. Where moving picture facilities were available, arrangements were made through the District Sanitary Inspector's office to include educational films in French and English on the control of venereal disease. These films were loaned through the courtesy of Dr. W. G. Brown, Director of V. D. Control, and were much appreciated by the employer and employees.

During the year, the larger operators have given consideration to such improvements as electric lights in all camps, central heating systems, water flush toilet facilities, pumping systems to provide hot and cold running water for showers, laundries, etc. Many camps are now provided with these features and we hope they will be extended further in all camps in the near future.

The development of more general use of the two-way radio telephone systems to many of these isolated bush camps is proving very successful and economical and has assisted very materially in establishing close contact with the medical service and hospital centres and in the care of sickness and accidents in the camps.

#### *Industrial Operations:*

The following records show the number of operators, their camps and workmen employed in the various industries which are subject to the Regulations:

INDUSTRY	Number of Operators	Number of Camps	Number of Men Employed
Pulpwood camps.....	83	411	22,407
Lumber camps.....	114	239	10,254
Sawmill camps.....	64	78	3,031
Mining camps.....	57	57	6,391
Construction camps.....	25	30	5,118
Extra B. & B. Ry. camps.....	2	57	1,044
	345	872	48,245



*Lumber and Pulpwood Camps*

In an effort to meet the present demand for wood products and to counteract the shortage of experienced labour, many operators have extended the usual six months seasonal operations into a nine or twelve month operation when workmen were available.

The volume of routine inspection and follow-up work involved in the sanitary supervision of these camps is limited by the distances to be travelled, as many of the camps are now located many miles from the nearest rail centres, and by the lack of proper transportation facilities.

*Mining Camps:*

From records received, fifty-six mining companies were operating in the unorganized areas, showing a total of 6,391 workmen employed. The apparent dearth of experienced miners curtailed mining activities considerably during the year. Reports were received from the District Sanitary Inspectors on many new mining development camps located along the Groundhog River area in the Sudbury Mining Division, the Sault Ste. Marie Mining Division, Red Lake area, and the Port Arthur Mining Division.

*Construction Camps:*

Construction work on the four paper mills at Espanola, Marathon, Terrace, and Nipigon, was extended to the end of the year and will be continued into 1947. Eight highway construction camps gave employment to 800 workmen on the construction of the new highway between Quebell and the Red Lake mining area.

*Medical and Sanitary Supervision:*

While a preference is given to the nearest and most accessible resident physician to the camps and workmen in the Departmental approval of medical and sanitation contracts under the Regulations, the distance from the doctor's office and the hospital centres to the camps and workmen involves considerable time and difficulties. Airplane service, when available to the camps, is now used extensively and has assisted very materially in the medical care of the workmen and in the sanitary supervision and inspections, more particularly where large groups of camps are located in the same area.

During the year the records show 48,245 workmen were employed in the territorial districts without municipal organization. The following summary will indicate the amount and nature of the work involved in the medical care of the workmen and sanitary supervision of camps during the past year.

Number of Medical and Sanitation Contracts	Number of Contract Physicians	Number of Assistant Physicians	Number of Physician's Monthly Reports	Number of Inspector's Reports
305	117	61	4,096	1,176
MEDICAL SERVICE RENDERED AS REPORTED BY THE INDUSTRIAL PHYSICIANS				
Number of Workmen Employed	Number of Workmen Requiring Treatment	Routine Examinations	Communicable Diseases	Immunizations
48,245	25,658	12,660	1,469	1,898

It will be noted 4,096 visits of inspection were made by the Contract Physicians, combined with 1,176 investigations and inspections made by the District Sanitary Inspector, showing a total of 5,272 visits of inspection made during the year in the sanitary supervision of the camps and the medical care of the workmen.

#### *Communicable Diseases:*

The incidence of communicable diseases is comparatively low taking into consideration the lack of modern conveniences in camp life and the improvised nature of housing, food handling, and drinking water supplies, etc. The absence of typhoid fever again this year in this large group of workmen is noted. The record of communicable diseases as reported by the Industrial Physicians appears to have been confined to mild sporadic outbreaks, which were limited to small groups of workmen, some of which were as follows:

Disease	No. of Cases
Septic Sore Throat.....	84
Pneumonia.....	17
Diphtheria.....	4
Measles.....	33
Influenza.....	431
Chicken Pox.....	21
Scabies.....	67
Mumps.....	42
Conjunctivitis.....	24
Scarlet Fever.....	9
	<hr/> 732

Thirty-two cases of venereal disease were placed under subsequent treatment at the camps or at the treatment centres. Such diseases as dysentery, diarrhoea, impetigo, infectious jaundice, mumps, ringworm, and trench mouth were also reported by the Industrial Physician.

Apart from investigations made by the District Inspectors relative to communicable diseases in camps, 341 investigations were made in respect to communicable disease in the unorganized territory of which 198 notices were served by the Inspectors under the V. D. Control Division.

#### *Unorganized Communities:*

In the sanitary supervision of the unorganized settlements, of which there are approximately 500, showing a population of from 200 to 1,000 persons, investigations of complaints and routine inspections were carried out in the limited amount of time available during the spring and summer months.

#### *Organized Municipalities:*

Frequent calls have been made during the year on the Provincial Sanitary Inspectors to assist the local part-time health officials in the sanitary supervision of their municipalities. Seventy-two investigations were made in connection with this work during the year.

#### *Rural School Inspections:*

In the unorganized districts, 198 public and separate school inspections were made. This work is usually carried out in the early spring and summer before school closes for summer months, enabling sanitary improvements and installations to be carried to completion during the school recess.

*Tourist Camp Inspections:*

During the tourist season, mainly July and August, the influx of tourists to the summer resorts in the unorganized districts far surpassed other years. In the investigations of complaints and in the sanitary supervision of water supply, milk and food control, a total of 168 tourist camps were inspected.

In the early part of the year a request was made by the Department of Lands and Forests for a sanitary survey to be made of all District Foresters' Headquarters camps regarding housing of employees, water supplies and sewage disposal. This work was carried out by the District Sanitary Inspectors, and reports and recommendations were sent to the Department officials.

*Improvement Districts:*

Under the Department of Municipal Affairs ten improvement districts are now established in the unorganized districts. In the absence of local public health personnel within these semi-organized municipalities, the district Provincial Sanitary Inspectors are called upon to investigate all complaints and render the required routine inspections and sanitary supervision under The Public Health Act and Regulations.

## REPORT OF CIVIL SERVICE HEALTH CENTRE

In reviewing the work of the Health Centre during the past year, one notes that there has been:

1. An increase in the work of the Centre.
2. A broadening in the Centre's activities.

As regards the increase in work, the figures for the year show a considerable jump over those of 1945. This is due in part to the addition of another doctor and a third nurse to the staff, in the latter half of the year, and in part to the fact that more people are passing through the Health Centre.

The greater volume of work, as reflected in the figures, is a healthy sign, but one feels that these same figures do not tell the whole story. Consultations require a varying amount of time and it is not uncommon to spend an hour or more, with one person. Within reason, time is a secondary factor, the patient's condition being the essential consideration.

As for the broadening of the Health Centre's activities, a unit has been opened in the Main Building, but response to it has not been encouraging. There is no waiting room and women object to waiting in the corridor, especially since that is in close proximity to the men's washroom. However, it is yet too soon to draw any conclusions as to the value, and appreciation, of this unit since it has been in operation for only one month.

A rest room at Osgoode Hall will be opened shortly. This will call for the services of a nurse for at least one half day per week and, together with the nursing demands for the unit in the main building, will necessitate an addition to our nursing staff. Mention of additional staff reminds one that another clerk is urgently needed.

It is becoming more widely recognized that our records are confidential and this, in turn, means that more and more people are availing themselves of the services offered.

Nutritional problems continue to rate high in the list of requests for information. No opportunity is missed to "spread the word" relating to the educational aspect of the work.

After approximately two years in our present location it is surprising how many civil servants are as yet unaware of our efforts to better their lot. This surely indicates the need for more publicity on our part.

TOTAL VISITS TO DISPENSARY, 8,706

MALE, 4,114. FEMALE, 4,592

	New	Repeat	Total
<b>A. OCCUPATIONAL DISEASES AND INJURIES:</b>			
1. Puncture Wounds.....	58	19	77
2. Burns.....	27	65	92
3. Abrasions, contusions and lacerations.....	218	143	361
4. Foreign body in eye.....	10	1	11
5. Eye injury and inflammation.....	8	2	10
6. Fractures and dislocations.....	1	1	2
7. Sprains and strains.....	31	14	45
8. Skin disease.....	1	1	2
9. Occupational disease.....	...	...	...
10. Hernia.....	1	1	2
11. Pyogenic infections.....	2	19	21
12. Amputations.....	...	...	...
13. Tenosynovitis.....	1	...	1
14. Infected blisters.....	...	...	...
15. Skin ulcers.....	...	...	...
16. All others.....	...	...	...
<b>TOTAL.....</b>	<b>358</b>	<b>266</b>	<b>624</b>
<b>B. NON-OCCUPATIONAL DISEASES AND INJURIES:</b>			
1. Non-industrial injuries.....	568	313	881
2. Skin disease.....	255	87	342
3. Pyogenic infections.....	191	257	448
4. Headache.....	111	2	113
5. Flu, colds and grippe.....	137	47	184
6. Upper respiratory.....	285	181	466
7. Lower respiratory.....	38	8	46
8. Tonsillitis and sore throat.....	304	159	463
9. Teeth and gums.....	82	15	97
10. Gastro-intestinal.....	240	59	299
11. Hernia.....	5	1	6
12. Heart.....	36	160	196
13. Circulatory.....	60	33	93
14. Genito-urinary.....	16	9	25
15. Neuralgia and rheumatic and arthritis.....	120	20	140
16. Nervousness.....	35	5	40
17. Eye.....	393	100	493
18. Ear.....	151	108	259
19. Pain in abdomen.....	27	5	32
20. Tumors.....	11	7	18
21. Communicable disease.....	6	2	8
22. Menstrual.....	117	1	118
23. Fainting.....	16	...	16
24. Fatigue.....	65	107	172
25. Loss of weight.....	7	10	17
26. Miscellaneous.....	254	230	484
27.....	...	...	...
28. Feet.....	35	12	47
29. Gynaecology.....	11	3	14
30. Tenosynovitis.....	10	1	11
31. Fractures and dislocations.....	6	9	15
32. Epileptiform seizures.....	4	14	18
33. Strains and sprains.....	66	34	100
34. Allergy.....	15	31	46
<b>TOTAL.....</b>	<b>3,677</b>	<b>2,030</b>	<b>5,707</b>
<b>OCCUPATIONAL AND NON-OCCUPATIONAL:</b>			
<b>TOTAL.....</b>	<b>4,035</b>	<b>2,296</b>	<b>6,331</b>



## D. PHYSICAL EXAMINATIONS (Inside Staff):

	M.	F.	T.
1. New Employees or Applicants.....	277	78	355
2. Staff.....	349	310	659
3. Periodic re-check.....	121	187	308
TOTAL.....	747	575	1,322

X. Special, 163.

## E. NUMBER OF EMPLOYEES CATEGORIZED:

	M.	F.	T.
1. Inside Staff.....	503	318	821
2. Outside Staff.....	824	597	1,421
TOTAL.....	1,327	915	2,242

## NUMBER OF EMPLOYEES RE-CATEGORIZED:

	M.	F.	T.
1. Inside Staff.....	22	36	58
2. Outside Staff.....	184	118	302
TOTAL.....	206	154	360

## STAFF:

Inside Temporary... 43	Permanent..... 753	Rejected..... 5
Outside Temporary.. 322	Permanent..... 1,097	Rejected..... 2
TOTAL..... 365	1,850	7

Not Categorized—

## F. DISPOSAL OF CASES:

Referred to O. P. D. Psychiatry Hospital.....	1
1. Reported to W. C. B.....	25
2. Sent to Family Physician.....	323
3. Sent to Eye Specialist.....	21
4. Sent to Dentist.....	53
5. Sent to Hospital Clinic.....	27
6. Sent to Christie Street Hospital.....	29
7. Sent Home.....	79
8. Sent to Specialist E. N. T.....	11
9. Sent to Surgeon.....	3
10. Seen by Doctor.....	3,347
11. Seen by Nurse only.....	3,988
12. Consultation with Specialist (Dept.).....	22
13. Infected Injuries.....	1
14. Referred to Orthopedic Specialist.....	2
15. Sent to Hospital.....	1
16. Referred to Skin Specialist.....	9
17. Referred to Gyn. Specialist.....	2
18. Referred to O. P. D. Urology.....	2
19. Referred to M.O.H. (outside city).....	1
20. Referred to City Health (pre-natal).....	4
21. Referred to Cardiologist.....	1
22. Referred to City Health Department.....	2
23. Sent to Sanitarium.....	3
24. Request for list of Family Physicians.....	193

## SUMMARY:

1. Occupational.....	624
2. Non-occupational.....	5,707
3. Patient Consultation (with Doctor or Nurse).....	542
4. Return to Work.....	7
5. Physical Examinations (inside).....	1,322
6. Re-treatment same day.....	504
TOTAL.....	8,706



## DIVISION OF LABORATORIES

E. L. BARTON, M.D., *Director*

The Division of Laboratories at the end of 1946 consisted of the Central Laboratory in Toronto, eight Regional Laboratories and six Subsidized Laboratories. The Regional Laboratories are situated at Fort William, Kingston, London, North Bay, Ottawa, Sault Ste. Marie, Timmins and Windsor. Subsidized Laboratories are located at Belleville, Peterboro, Kitchener, Stratford, St. Catharines and Woodstock.

On the staff of the Central Laboratory, which includes the East Block unit, 1011 Queen Street West (Outfit Preparation Section and Virus Laboratory) and Mimico (Serological Laboratory), there are 135 staff members. The staff of the Regional Branch Laboratories total 90 members. The total number of members on the staff of the Division is 225.

On March 31st of this year Dr. W. B. McClure, Director, resigned to return to Kongmoon, South China, as a Medical Missionary. Dr. McClure joined the staff in June, 1932, as Bacteriologist and assumed Directorship at the Central Laboratory in June, 1945. During his association with the Division of Laboratories Dr. McClure contributed greatly to the laboratory and his departure was regretted by all members of the Division.

All members of the Division of Laboratories who served in the Armed Forces have returned to duty, with the exception of Mr. J. Beilby, of our Ottawa Regional Laboratory, who is convalescing at Christie Street Hospital, Toronto.

Our hopes in regard to the establishment of complete laboratory services in our subsidized laboratories have not been fulfilled this year, due to the difficulty in construction and the difficulty in obtaining essential laboratory equipment.

On October 1, 1946, a change in administration of our Kingston Laboratory was affected whereby the work which had been carried on previously by Queen's University, Kingston, is now under the direction of Dr. J. H. Orr. The laboratory services in the Kingston area are being conducted in our Regional Laboratory in that city. The Subsidized Laboratory operated in the Richardson Laboratory was the first Branch Laboratory to be established in the Province. This was established in 1905. Laboratory services in the Richardson Laboratory were under the direction of Dr. James Miller, Professor of Pathology, of Queen's University. Dr. Miller acted as consultant in Pathology to the Division for many years.

On October 1, 1946, the Branch Laboratory in London was made a Regional Laboratory. Before this time, this laboratory was subsidized and operated by the University of Western Ontario under the direction of Dr. A. J. Slack. This laboratory was established as a Subsidized Laboratory in 1911. Under this change in administration our London Laboratory is now a Regional Laboratory and the staff members are members of the Division. The accommodation for our laboratory quarters in London is provided by the University of Western Ontario and Dr. W. M. Wilson, formerly Pathologist of the laboratory, took over the duties of Director.

On February 14, 1946, arrangements were made with the Kitchener-Waterloo Hospital for the establishment of a Subsidized Laboratory in that centre. This laboratory is under the directorship of Dr. L. Fischer. Due to the scarcity of

essential equipment the scope of this laboratory is limited at the present time. It is expected, however, that all the necessary laboratory procedures will be carried out in this laboratory at the beginning of 1947.

A Subsidized Laboratory has been established in Woodstock and in August of this year this laboratory took over the work for the County Health Unit in Oxford County. The services of this laboratory were extended to the physicians in Oxford County. An evening of demonstrations was carried out for the Oxford County Medical Society and consisted of eight demonstrations which were presented by members of the Central Laboratory staff. The Woodstock Laboratory is situated in the Ontario Hospital, Woodstock, of which Dr. A. E. Clarke is Superintendent. Mr. Robert Karn is in charge of the laboratory.

The scope of the Subsidized Laboratory in the Stratford General Hospital, under the directorship of Dr. S. J. C. Miller, is limited at the present time due to the lack of equipment, but it is hoped that this laboratory will take over all the required laboratory services for that area at the beginning of the next year.

Our laboratory quarters in Timmins are inadequate at the present time, due to the small space which has been allotted to this laboratory in the St. Mary's Hospital, Timmins. It is hoped that in the coming year suitable quarters may be obtained for the establishment of more satisfactory laboratory services for this area. This laboratory showed an increase of 4,074 examinations over the previous year and this increase is due both to an increase in bacteriological examinations and also to clinical pathological examinations. The present space and lack of trained personnel adds to the burden of Miss MacPherson and members of her staff.

During the year arrangements were completed with the municipality of the City of Windsor and a laboratory has been constructed at 2090 Wyandotte Street East, in Windsor, in a building purchased by that city to house the local Medical Officers of Health and our Regional Laboratory. Mr. W. J. A. Percy is in charge of this laboratory and equipment and staff were transferred to the new quarters on December 23, 1946. Up to the present time the work for the Windsor area, carried on in our Windsor Laboratory, has been restricted to procedures which were carried out previously by the local municipal laboratory. In the first part of 1947 the laboratory services will be extended to the physicians of Windsor and Essex County.

Difficulty in the construction of a laboratory in the Kirkland Lake District Hospital at Kirkland Lake has made it impossible to open the laboratory for the Kirkland-Larder Lake area, but the work of carrying out alterations to this laboratory is proceeding satisfactorily at the present time and it is expected that this laboratory will be in operation in the early part of 1947.

During the year 1946 a total of 1,214,421 examinations were carried out by the Division of Laboratories. This is an increase of 175,191 examinations over the previous year. This total consists of 1,192,662 examinations as noted in Table 1, with the addition of 9,709 examinations being performed in our Timmins Laboratory, 7,125 examinations in the Windsor Laboratory and 4,925 examinations in our Woodstock Laboratory. A total of 201,730 examinations were carried out for the Armed Forces during the year. This is a decrease of 86,915 examinations as compared with the year 1945. It is gratifying to note that the total volume of work carried out by the Division of Laboratories has increased considerably in spite of the fact that the work done for the Armed Forces during the recent World War II has decreased. In addition to the work done for the Armed Services examinations were carried out for the Department of Veterans Affairs in the amount of 17,300.

The following shows the distribution of work carried on in our Regional Laboratories in 1946, as compared with the year 1945:

Location	Volume 1945	Volume 1946	Increase
Toronto.....	515,583	608,776	93,193
London.....	148,502	172,101	23,599
Ottawa.....	140,512	146,189	5,677
Fort William.....	43,540	56,903	13,363
North Bay.....	36,786	47,086	10,300
Sault St. Marie.....	16,123	18,243	1,920
Kingston.....	70,397	78,017	7,620
Windsor.....	.....	7,125	.....

At the present time accommodation at the Central Laboratory in Toronto prohibits any further extension of laboratory services. The laboratory is scattered in several parts of the city, prohibiting efficient administration and increasing the operating expenses. In the near future lack of satisfactory laboratory accommodations may make it necessary to curtail some of the activities of this laboratory.

On taking over the duties of Director of Laboratories I wish to extend my sincere thanks to members of the Central Laboratory staff and the Directors of our Branch Laboratories and their staffs for the valuable assistance and co-operation which they have shown. May I extend my appreciation to administrative officers of the Department and laboratory consultants for their counsel and advice.

Following is a summary of the work conducted in the Central Laboratory, along with reports from Mr. A. R. Bonham, Chief Provincial Analyst and Dr., M. C. Dinberg, Provincial Pathologist, as well as from each of the Directors of the Branch Laboratories:

TABLE 1

TYPE OF SPECIMEN	Tor- onto	Lon- don	Ot- tawa	Fort Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	King- ston	Belle- ville	St. Cath- arines	Total
<b>BACTERIOLOGY:</b>												
Diphtheria—Direct Smears.....	2,577	818	7	864	28	55	128	20	14	304	.....	4,815
Cultures.....	6,750	1,437	6,950	1,426	987	930	179	181	111	304	90	19,345
Virulence Tests.....	698	16	209	30	.....	64	8	3	7	.....	.....	1,035
Further Tests.....	.....	1,244	6,112	870	.....	617	.....	.....	111	.....	.....	9,079
Kellogg Tests.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
Tuberculosis—Microscopic Smear.....	36,457	4,334	2,566	3,609	92	1,467	948	233	6,054	455	548	56,763
Animal Inoculations.....	1,686	235	76	143	.....	90	16	7	30	.....	.....	2,283
Cultural Examinations.....	19,512	883	376	2,944	2	409	.....	41	4,367	.....	.....	28,534
Pneumonia—Pneumococcus Typing.....	1,210	23	8	159	30	33	.....	2	2	23	1	1,491
Animal Inoculations.....	965	.....	8	60	.....	48	.....	.....	.....	18	.....	1,099
Miscellaneous Bacteriological Examinations.....	9,803	2,022	1,493	2,147	391	1,236	487	2,083	279	812	495	21,248
Spinal Fluids—Cultural Examinations.....	498	134	61	37	2	62	52	18	19	98	12	993
Cell Counts.....	1,775	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,775
Streptococcal Infections—Swabs.....	85	277	.....	971	602	.....	471	180	.....	191	686	3,463
Groupings.....	.....	.....	.....	84	.....	.....	.....	.....	.....	.....	.....	84
Typings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leptospirosis.....	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52
Cough Plates.....	32	21	5	.....	1	1	.....	.....	29	.....	.....	89
Fungus Cultures.....	1,074	14	25	18	12	27	9	.....	27	.....	.....	1,206
Penicillin Resistance and Blood Levels.....	698	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	698
Agglutinations.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whole Bloods—S. Typhi H. & O.....	5,002	2,338	297	220	178	263	77	14	148	172	69	8,778
Typhi Vi.....	91	.....	.....	.....	.....	.....	.....	.....	35	.....	.....	126
S. Paratyphi A.....	2,501	1,165	297	109	178	130	77	14	74	172	69	4,786
S. Paratyphi B.....	5,002	2,234	297	220	178	133	78	14	113	172	69	8,510
P. Tularensis.....	2,501	1,108	282	110	46	129	77	14	39	172	.....	4,478
Other Tests.....	2,939	.....	.....	.....	.....	133	.....	.....	42	.....	.....	3,114
Undulant Fever—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Agglutination for Br. Abortus.....	2,501	1,169	399	109	158	129	121	14	74	172	69	4,915
Opsonic Index.....	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
Bovine Brucellasis—Cows Bloods.....	.....	659	.....	2	.....	.....	.....	15	.....	.....	.....	676
Infectious Mononucleosis—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heterophile Antibody.....	514	154	136	52	.....	24	.....	.....	79	.....	.....	959
Blood Cultures.....	3,729	972	396	292	182	206	152	8	28	99	94	6,158



TABLE 1—Continued

TYPE OF SPECIMEN	Tor-onto	Lon-don	Ot-tawa	Fort Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	King- ston	Belle- ville	St. Cath- arines	Total
Feces Examinations—Cultural Examinations...	3,105	493	329	435	378	245	42	22	133	413	90	5,685
Parasitic Ova.....	2,439	78	552	41	82	188	30	15	56	44	40	3,565
Oocult Blood.....	81	61	.....	16	4	11	11	17	.....	55	81	337
Milk—Standard Plate Counts.....	6,135	6,234	4,657	4,229	822	2,148	722	1,475	242	511	296	27,471
B. Coli Counts.....	6,170	2,635	4,657	1,182	720	2,148	718	30	242	548	298	19,348
Phosphatase.....	3,601	2,595	4,301	904	637	1,025	353	412	242	501	294	14,865
Butterfat Determinations.....	3,644	3,187	4,100	964	278	1,040	754	458	154	435	242	15,256
Mastic Tests.....	19	.....	.....	.....	.....	42	.....	.....	.....	.....	.....	61
Other Tests.....	246	515	4,706	.....	59	13	.....	195	.....	.....	.....	5,734
Ice Cream—Plate Counts.....	413	113	99	3	.....	3	.....	.....	.....	.....	.....	255
B. Coli Counts.....	40	113	99	.....	3	.....	.....	.....	.....	.....	.....	255
Phosphatase.....	40	.....	99	.....	3	.....	.....	.....	.....	.....	.....	142
Butterfat Determinations.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	39
Water—Standard Plate Counts.....	2,425	1,243	2,161	3,737	1,046	9	1,219	183	49	.....	58	12,130
B. Coli Counts.....	13,381	4,264	4,961	.....	927	2,915	.....	4,026	625	304	341	31,744
Swimming Pools—Standard Plate Counts.....	.....	20	58	.....	2	.....	53	.....	5	.....	.....	138
B. Coli Counts.....	.....	26	58	.....	.....	30	.....	1	.....	.....	.....	115
Carbonated Beverages—B. Coli Counts.....	.....	2	365	.....	.....	.....	.....	.....	.....	.....	.....	367
Bact. Plate Counts.....	.....	2	344	.....	.....	.....	.....	.....	.....	.....	.....	346
Food Examinations.....	158	8	.....	.....	.....	6	.....	.....	.....	.....	.....	172
Restaurant and Beverage Room Utensils.....	1,836	831	3,319	3	265	3,952	.....	11	.....	26	.....	10,243
Germinical Tests.....	.....	.....	49	.....	.....	.....	.....	.....	.....	.....	.....	49
Sterility Tests.....	280	.....	54	24	6	.....	.....	139	.....	.....	8	511
NO. OF EXAMINATIONS FOR THE YEAR.....	152,452	43,716	54,968	26,011	8,293	19,967	6,782	9,845	13,430	6,001	3,950	345,415
GONORRHOEA:												
Microscopic Smears.....	23,180	4,468	5,715	4,166	.....	2,829	1,388	933	3,186	852	1,787	48,504
Cultural Examinations.....	3,776	984	2,013	1,263	.....	186	8	152	610	77	391	9,460
Complement Fixation.....	325	61	.....	12	.....	.....	.....	.....	30	.....	.....	428
NO. OF EXAMINATIONS FOR THE YEAR.....	27,281	5,513	7,728	5,441	.....	3,015	1,396	1,085	3,826	929	2,178	58,392
SYNOPSIS:												
Primary—Dark Field.....	565	172	152	99	89	134	14	2	12	26	.....	1,265
Fontana Stain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. Kahn.....	.....	37	.....	.....	.....	75	.....	.....	.....	.....	.....	112



TABLE 1—Continued

TYPE OF SPECIMEN	Toronto	London	Ottawa	Fort William	Rich. Lab. Kingston	North Bay	Peterboro	Sault Ste. Marie	Kingston	Belle-ville	St. Catharines	Total
Blood Serum—P. Kahn.....	239,027	68,093	58,876	14,938	.....	15,389	3,762	.....	38,813	.....	6,780	445,678
S. Kahn.....	51,046	16,962	9,102	2,910	.....	2,692	618	1,086	4,464	.....	703	89,583
Q. Kahn.....	11,499	2,463	1,977	900	.....	781	77	16	951	.....	.....	18,664
Verification Kahn.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kline.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Laughlin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kolmer Wassermann.....	51,154	17,338	9,111	2,724	.....	2,692	.....	415	5,175	1,694	.....	2,109
Van den Bergh.....	960	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88,194
Spinal Fluids—S. Kahn.....	.....	.....	.....	.....	.....	8	.....	11	.....	.....	.....	960
Kolmer Wassermann.....	6,665	2,047	721	475	.....	251	.....	.....	998	.....	.....	11,157
Colloidal Gold.....	7,505	2,131	1,215	481	.....	264	.....	7	998	.....	.....	12,594
Colloidal Mastic.....	.....	.....	.....	2	.....	.....	.....	11	998	.....	.....	1,007
Total Protein.....	6,631	2,082	604	323	.....	248	.....	.....	998	.....	.....	10,897
Globulin.....	.....	536	.....	477	.....	272	.....	.....	998	.....	126	1,411
Cell Count.....	.....	2,155	814	452	.....	276	.....	17	998	95	126	4,933
Chlorides.....	597	134	.....	8	.....	13	.....	1	998	.....	.....	1,751
Sugar.....	423	136	.....	7	.....	16	.....	.....	118	.....	.....	1,700
Miscellaneous.....	2,660	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,660
NO. OF EXAMINATIONS FOR THE YEAR.....	378,732	114,286	82,572	23,796	89	23,111	4,471	1,566	55,521	1,815	7,735	693,694
VIRUS INFECTION.....	170	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	170
NO. OF EXAMINATIONS FOR THE YEAR.....	170	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	170
PATHOLOGY—Surgical.....	12,997	2,132	.....	.....	2,684	.....	1,410	.....	.....	1,601	3,187	24,011
Autopsy.....	105	29	.....	375	7	.....	316	13	.....	38	84	967
Blood Smears.....	183	116	.....	52	.....	64	22	468	8	3,641	551	5,105
NO. OF EXAMINATIONS FOR THE YEAR.....	13,285	2,277	.....	427	2,691	64	1,748	481	8	5,280	3,822	30,083
Blood Groupings.....	.....	198	.....	15	.....	.....	254	1,462	.....	2,533	875	5,337
Aschheim-Zondek.....	39	199	.....	.....	.....	.....	.....	74	.....	155	.....	467

TABLE 1—Continued

TYPE OF SPECIMEN	Tor- onto	Lon- don	Ota- tawa	Fort Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	King- ston	Belle- ville	St. Cath- arines	Total
CHEMISTRY—Blood Sugar.....	22,986	4,158	895	659	.....	665	743	905	1,040	1,216	808	34,075
Non Protein Nitrogen.....	3,854	812	.....	273	.....	190	.....	111	337	174	421	6,172
Water.....	219	35	.....	.....	.....	.....	.....	365	.....	.....	.....	619
Miscellaneous.....	4,976	907	26	281	6	74	451	2,349	3,855	196	335	13,456
Coal—Calorific Value.....	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
Moisture.....	79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	79
Ash.....	80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80
Volatile.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
Liquors—Alcohol.....	2,446	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,446
Beers.....	136	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136
Spirits.....	1,407	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,407
Wines.....	552	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	552
No. of EXAMINATIONS FOR THE YEAR.....	36,817	5,912	921	1,213	6	929	1,194	3,730	5,232	1,586	1,564	59,104
GRAND TOTAL OF EXAMINATION FOR THE YEAR.....	608,776	172,101	146,189	56,903	11,079	47,086	15,845	18,243	78,017	18,299	20,124	1,192,662
DIAGNOSTIC OUTFITS DISTRIBUTED:												
Wassermann.....	345,336	71,435	61,831	17,824	.....	16,760	3,450	3,630	43,840	5,619	6,117	575,842
Gonococcus Smears.....	29,747	4,457	6,947	4,049	.....	4,111	1,454	734	3,203	641	1,568	56,911
Non Protein Nitrogen.....	6,911	738	325	444	.....	277	168	166	615	120	327	10,091
Pin Worm.....	107	107	680	91	.....	234	30	6	234	20	84	4,658
Miscellaneous.....	8,792	1,108	522	385	.....	1,202	240	158	600	239	339	13,585
Dark Field.....	2,985	252	330	137	.....	236	45	4	67	57	80	4,193
Cows Bloods.....	66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
Spinal Fluids.....	7,237	1,059	653	113	.....	555	109	128	1,150	73	203	11,280
Gonococcus Cultures.....	4,064	564	1,598	1,116	.....	.....	.....	143	.....	19	.....	7,504
Blood Cultures.....	3,839	280	61	256	.....	179	77	28	246	64	67	5,097
Whole Bloods.....	2,287	646	315	68	.....	151	140	14	182	44	70	3,917
Restaurant.....	783	476	.....	.....	.....	553	.....	.....	.....	26	.....	1,838
Beverage Room.....	589	235	.....	.....	.....	67	.....	.....	.....	.....	.....	891
Pathology.....	13,641	1,228	395	1,609	.....	671	174	563	657	76	1,311	20,325
Bacteriological Water Bottles— With Containers.....	13,276	1,277	1,462	1,179	.....	1,333	676	703	686	133	256	20,981
Without Containers.....	4,594	5,246	2,182	6,523	.....	1,930	230	3,704	671	216	.....	25,296

TABLE 1—Continued

TYPE OF SPECIMEN	Tor- onto	Lon- don	Ot- tawa	Fort Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	King- ston	Belle- ville	St. Cath- arines	Total
Diphtheria.....	9,607	2,068	5,389	3,600	.....	1,752	333	436	917	339	220	24,661
Sputum.....	46,822	4,907	3,080	2,497	.....	1,926	960	209	5,719	236	885	67,241
Blood Sugars.....	29,126	6,610	1,502	748	.....	1,133	707	1,405	1,147	464	860	43,702
Feces.....	6,039	681	518	356	.....	270	62	18	458	129	158	8,689
Streptococcus.....	.....	.....	.....	365	.....	.....	326	.....	.....	12	97	800
Special Serological.....	198	1,009	.....	.....	.....	.....	.....	24	.....	.....	.....	1,231
Experimental.....	450	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	450
Special Blood Cultures.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Ice Cream.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Loeffler's Slants.....	.....	.....	6,332	.....	.....	.....	.....	.....	.....	.....	.....	6,332
Cough Plates.....	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	9
TOTAL.....	539,495	104,489	94,131	41,360	.....	33,340	9,181	12,073	60,392	8,527	12,642	915,630

Table 1 shows the distribution of examinations conducted at each of the laboratories in the Division, along with the diagnostic outfits distributed during 1946.

*Diphtheria:*

Table 2 indicates the number of examinations conducted for the isolation of *C. Diphtheriae*, 15.98 per cent of which yielded positive results. Virulence tests were performed on 698 specimens. Some of these were from pure cultures and others were from field cultures on tellurite slants; 66.18 per cent were positive.

TABLE 2  
DIPHTHERIA—CULTURE AND VIRULENCE TESTS

CULTURES			VIRULENCE TESTS		
Number	Positive	Negative	Positive	Negative	Not Performed
6,750	1,079	5,671	462	236	393

Identification of strains of *C. diphtheriae* was carried out on pure cultures submitted from Branch Laboratories and from isolations of strains from our own cultures at the Central Laboratory. Table 3 shows the incidence of types isolated. It has been interesting to note that the diphtheria which has been prevalent in the Province this year is not due to one particular type, but that the pattern presented shows that the various types of diphtheria are localized in the community in which they occur, without spreading extensively to other areas. The Intermediate type is the most prevalent type in the Province at the present time.

TABLE 3  
TYPES OF *C. DIPHTHERIAE*

Intermedius	Mitis	Gravis	Not Tested	Total
221	32	56	770	1,079

*Tuberculosis:*

TABLE 4  
MICROSCOPIC SMEAR EXAMINATION FOR *M. TUBERCULOSIS*

Number Examined	Number Positive	Per Cent Positive	Number Negative	Per Cent Negative
29,988	2,385	7.95	27,603	92.05

Microscopic examination for *M. tuberculosis* has increased by 12,118 in the Division over the previous year. There was an increase of 5,730 in the Central Laboratories. Table 4 indicates the percentage of positive examinations obtained on smears in our Tuberculosis section.

TABLE 5

## CULTURAL EXAMINATIONS FOR M. TUBERCULOSIS

TYPE OF SPECIMEN	Number of Specimens	POSITIVE AT		Total Positive	Total Negative	Per Cent Positive
		4 Weeks	8 Weeks			
Sputa.....	14,264	362	644	1,006	13,258	7.56
Urines.....	1,337	38	38	76	1,261	6.02
Left Kidney.....	561	2	5	7	554	1.25
Right Kidney.....	559	4	1	5	554	.894
Pleural.....	529	31	43	74	455	13.98
Pus.....	232	23	15	38	194	16.33
Joint Fluid.....	174	5	2	7	167	4.02
Spinal Fluid.....	3	1	0	1	2	
Gastric.....	1,385	16	41	57	1,328	4.11
Miscellaneous.....	346	5	8	13	333	3.75
Glands.....	122	11	5	16	106	13.11
TOTAL.....	19,512	498	802	1,300	18,212	6.6

Table 5 shows the results of cultures examined for *M. tuberculosis* in the Central Laboratory along with an indication as to the type of specimen examined. A total of 498 examinations were positive at the end of a four-week incubation period, and 802 were positive after eight weeks incubation. In the Division of Laboratories there was an increase of 5,516 cultural examinations for *M. tuberculosis* and 3,536 in the Central Laboratory, over the year 1945.

TABLE 6

## CULTURAL AND ANIMAL INOCULATION TESTS FOR M. TUBERCULOSIS

SPECIMEN	Total No. of Guinea Pigs	GUINEA PIGS		Culture Positive Pig Negative	Culture Negative Pig Positive
		Negative	Positive		
Sputa.....	55	42	13	...	1
Urine.....	389	329	60	2	8
Left Kidney...	122	114	8	...	3
Right Kidney...	119	111	8	...	2
Pleural.....	483	401	82	9	18
Joints.....	93	82	11	...	4
Pus.....	82	54	28	1	1
Spinal Fluid..	146	132	14	...	...
Gland.....	37	27	10	...	...
Miscellaneous.	137	129	8	2	2
Gastric.....	23	20	3	...	...
TOTAL.....	1,686	1,441	245	14	39

The results of cultural and animal inoculation tests for the presence of *M. tuberculosis* is shown in Table 6. 39 examinations were positive by animal inoculation which failed to show evidence of *M. tuberculosis* by cultural examination on artificial medium.



*Fungus:*TABLE 7  
FUNGUS CULTURES

SPECIMEN	Negative	Yeast	TRICHO-PHYTON		MICRO-SPORUM		EPIDERMOPHYTON		Total
			Gyp-seum	Eriotrephon	Lan-sum	Au-douini	Pur-pureum	Floc-cosum	
Sputa.....	151	144	...	...	...	...	...	...	295
Nails.....	75	11	4	...	...	...	4	...	94
Scales.....	269	25	28	...	15	14	9	5	365
Hair.....	31	1	...	...	18	22	...	...	72
Miscellaneous	65	22	2	1	...	...	2	...	92
TOTAL.....	591	203	34	1	33	36	15	5	918

A total of 918 examinations were made for the isolation of fungus in 1946. Results of the cultural examinations are shown in Table 7. *Tr. gypseum* and *E. purpureum* are still the most common fungi isolated from specimens other than sputum. Yeast-like fungi are predominant in specimens of sputum.

TABLE 8  
CULTURAL AND SMEAR EXAMINATION FOR ACTINOMYCOSIS

SPECIMEN	SMEARS			CULTURES		
	Negative	Doubtful	Positive	Negative	Doubtful	Positive
Neck.....	51	4	2	67	0	1
Pleural Fluid.....	4	1	3	4	1	4
Face and Jaw.....	11	3	1	18	2	5
Sputum.....	6	14	2	11	3	11
Miscellaneous.....	16	4	0	26	1	2
TOTAL.....	87	26	8	126	7	23

The results of cultural and smear examinations for Actinomycosis are noted in Table 8. A total of 5 positive examinations were made on specimens submitted requesting examination for Actinomycosis and 18 positive cultural examinations were made on specimens in which no indication was made on the accompanying data sheet. It should be remembered that the figures presented in this table do not indicate the incidence of Actinomycosis since they include one or more specimens from the same patient.

*Streptococcus Haemolyticus:*

TABLE 9

## HAEMOLYTIC STREPTOCOCCUS GROUPING AND TYPING

	LANCEFIELD GROUPS										Total
	A	B	C	D	E	F	G	H	K	Undetermined	
Nose and/or Throat....	121	21	18	..	..	..	14	..	..	8	182
Vagina and Cervix.....	1	4	..	..	..	..	..	..	..	..	5
Blood.....	2	..	..	..	..	..	..	..	..	..	2
Ear.....	6	..	..	..	..	..	..	..	..	..	6
Milk.....	..	..	1	..	..	..	..	..	..	1	2
Urethra.....	..	1	..	..	..	..	..	..	..	..	1
Pustule or Abscess.....	2	..	..	..	..	..	..	..	..	..	2
Source not stated.....	16	2	..	..	..	..	1	..	..	2	21
TOTAL.....	148	28	19	..	..	..	15	..	..	11	221

221 examinations were made to identify the type of *Streptococcus haemolyticus* which was isolated from specimens submitted. 106 throat cultures were examined from inmates of an Industrial School for an outbreak of scarlet fever that occurred. The majority of these specimens proved to be *Haemolytic streptococcus*, Group A, type 17.

*Enteric Diseases:*

TABLE 10

## ENTERIC DISEASES—MACROSCOPIC AGGLUTINATION TESTS

TEST	Number Positive	Number Examined	Per Cent Positive
S. typhi "H".....	87	2,501	3.07
S. typhi "O".....	34	2,501	1.36
S. paratyphi B (specific).....	33	2,501	1.32
S. paratyphi B (non-specific).....	24	2,501	.96
S. paratyphi A.....	7	2,501	.27
T.A.B. reactions.....	364	2,501	14.55
S. typhi Vi.....	4	117	3.41
Br. abortus.....	78	2,501	.31
P. tularensis.....	3	2,501	.12
Br. melitensis.....	0	23	.....
Sh. dysenteriae Shiga.....	0	32	.....
Sh. paradysenteriae.....	6	160	3.75
B. proteus.....	0	30	.....
Infectious Mononucleosis.....	55	514	10.70
Total Number Positive.....	695	.....	.....
Total Number Negative.....	20,189	.....	.....
Total Number Examined.....	20,884	20,884	.....

A total of 26,690 examinations were carried out in the Enteric Disease section in 1946, under the direction of Miss V. Crossley. This is an increase of 4,678 over the year 1945. Besides the routine diagnostic tests which are carried out in this section, antigens for agglutination tests, antisera for the identification of strains and the identification of pure cultures submitted from other laboratories have been carried out. During the year 1946 a total of 16,955 mls. of concentrated antigen were prepared and 13,422 mls. of antigen were distributed.

A total of 2,258 mls. of antisera were prepared by animal inoculation. Some of the pure cultures were submitted from other Provinces in Canada and requests have been received to train technicians in the identification of enteric pathogens from laboratories outside the Province. A kit consisting of polyvalent antisera has been prepared under Miss Crossley's direction and has been distributed to the Branch Laboratories to assist in the identification of *Salmonella* organisms. With this kit Branch Laboratories will be able to determine whether or not the organism isolated is a pathogenic *Salmonella* organism and the culture can then be forwarded to the Central Laboratory in Toronto for complete identification. In this way Branch Laboratories without the facilities of carrying on complete identification of strains isolated can notify the physician submitting the specimen that the strain belongs to the *Salmonella* and reports in this way are accelerated. A total of 20,884 agglutination tests were carried out in 1946. These are indicated in Table 10.

TABLE 11  
ENTERIC DISEASES—FECES CULTURES

ORGANISMS ISOLATED	Number Positive	Per Cent
<i>S. typhi</i> .....	97	3.12
<i>S. paratyphi B</i> .....	107	3.44
<i>S. typhimurium</i> .....	27	.87
<i>S. bredeney</i> .....	4	.13
<i>S. senftenburg</i> .....	2	.06
<i>S. potsdam</i> .....	2	.06
<i>S. derby</i> .....	2	.06
<i>S. oranienburg</i> .....	5	.16
<i>S. thompson</i> .....	2	.06
<i>S. newport</i> .....	21	.60
<i>S. bareilly</i> .....	12	.34
<i>S. montevideo</i> .....	1	.03
<i>P. morgani</i> .....	31	.88
<i>Sh. paradysenteriae</i> Flexner.....	9	.25
<i>Sh. paradysenteriae</i> Sonne.....	3	.097
<i>Haemolytic staphylococcus aureus</i> .....	6	.19
Number Positive.....	331	....
Number Negative.....	2,774	....
Number Examined.....	3,105	....

3,105 examinations were carried out on specimens of feces submitted for cultural examination. Organisms isolated from such specimens are indicated in Table 11.

TABLE 12  
ENTERIC DISEASES—PHAGE TYPING OF *S. TYPHI* STRAINS

Type A	Type C	Type E	Type F	Types G, J, L & M	Beta Form	Gamma Form	Total
6	25	85	6	0	0	23	146

Bacteriophage typing of strains of *S. typhi* is shown in Table 12 and types C and E are still the most common types of this organism isolated.

TABLE 13  
ENTERIC DISEASES—PHAGE TYPING OF *S. PARATYPHI B* STRAINS

Type 1	Type 2	Type 3a	Type 3al	Type 3b	Not yet typed. Further work to be done	Total
17	1	4	26	49	72	169

Bacteriophage typing of *S. paratyphi B* strains was started this year. A total of 169 strains have been examined, the most common type being Type 3B. These are indicated in Table 13.

TABLE 14  
ENTERIC DISEASES—PARASITIC OVA AND AMOEBIC CYSTS

PARASITIC OVA	Number	AMOEBIC CYSTS	Number
<i>Enterobius vermicularis</i>	109	<i>Entamoeba coli</i>	8
<i>Ascaris lumbricoides</i>	3	<i>Entamoeba histolytica</i>	1
<i>Taenia saginata</i>	2	<i>Iodamoeba butschlii</i>	2
<i>Necator americanus</i>	1	<i>Giardia lamblia</i>	1
TOTAL: Positive	115	TOTAL: Positive	12
Negative	2,199	Negative	150
Examined	2,314	Examined	162

The number of examinations made for parasitic cysts and ova have doubled during the past year. A total of 2,476 examinations were performed. Table 14 indicates the results of the examinations carried out on specimens of feces and anal swabs submitted for the identification of parasitic cysts and ova.

TABLE 15  
ENTERIC DISEASES—CULTURES SUBMITTED FOR IDENTIFICATION

IDENTIFICATION	Num ber	IDENTIFICATION	Num ber
<i>Aerobacter aerogenes</i>	5	<i>Salmonella enteritidis</i>	4
<i>Aerobacter cloacae</i>	3	<i>Salmonella gallinarum</i>	3
<i>Alcaligenes faecalis</i>	7	<i>Salmonella newport</i>	12
<i>Eberthella kandiensis</i>	1	<i>Salmonella oranienburg</i>	6
<i>Escherichia coli</i>	31	<i>Salmonella paratyphi B</i>	20
<i>Proteus vulgaris</i>	26	<i>Salmonella pullorum</i>	2
<i>Proteus americanus</i>	2	<i>Salmonella tennessee</i>	2
<i>Proteus mirabilis</i>	5	<i>Salmonella typhi</i>	58
<i>Proteus rettgeri</i>	3	<i>Salmonella typhimurium</i>	55
<i>Proteus morgani</i>	6	<i>Shigella alkalescens</i>	8
<i>Salmonella bareilly</i>	6	<i>Shigella sonnei</i>	3
<i>Salmonella bonariensis</i>	2	Paracolon group	57
<i>Salmonella bredeney</i>	2	Spore formers	3
<i>Salmonella cholerae suis</i>	6	<i>Bacterium pyocyaneus</i>	8
<i>Salmonella columbensis</i>	3	TOTAL	346

Table 15 indicates cultures submitted for the identification of organisms. A total of 346 cultures were submitted for identification as compared with 273 for the previous year.



*Gonococcus:*

TABLE 16

## CULTURAL EXAMINATION FOR GONOCOCCUS FROM GENITO-URINARY SPECIMENS

Culture positive, smear positive.....	184	
Culture positive, smear extracellular.....	107	
Culture positive, smear negative.....	47	
	<hr/>	
Total Positive cultures.....	338	
Smear positive, culture negative.....	25	
	<hr/>	
Total Positive Specimens.....		363
Smear negative, culture suspicious.....	38	
Smear extracellular, culture negative.....	9	
	<hr/>	
Total Doubtful Specimens.....		47
Total Negative Specimens.....		3,366
	<hr/>	
Total Examinations.....		3,776

Table 16 shows the results of cultural examination for gonococcus from genito-urinary specimens. The number of cultural examinations being done were 3,776. Of this total, 154 examinations were positive by cultural examination and these were not considered positive by microscopic examination. A survey is being carried out to test the efficiency of specimens being submitted by mail.

### Spinal Fluids:

TABLE 17

## BACTERIOLOGICAL EXAMINATION OF SPINAL FLUIDS

MENINGOCOCCUS:		
Culture positive, smear positive, Type I.....	11	
Culture negative, smear positive.....	9	20
PNEUMOCOCCUS:		
Smear and culture positive, Type II.....	4	
"                    "                III.....	1	
"                    "                VI.....	3	
"                    "                X.....	1	
"                    "               XXVIII.....	3	
"                    "               XXI.....	1	
"                    "              XXVII.....	1	
"                    "             XXXVIII.....	1	
"                    "           XXXVIII.....	1	16
HAEMOLYTIC STREPTOCOCCUS (Gr. A):		
Smear and culture positive.....		3
HAEMOPHILUS INFLUENZA:		
Smear and culture positive.....		13
HAEMOLYTIC STAPHYLOCOCCUS AUREUS:		
Smear and culture positive.....		1
TUBERCLE BACILLI:		
Direct smear positive.....	12	
Animal inoculation positive.....	14	26
SUSPECTED POLIOMYELITIS.....		165
CELLS INCREASED, CULTURE NO GROWTH.....		289
CELLS NOT INCREASED.....		1,272
Total Examinations.....		1,775

Bacteriological examination of spinal fluids is noted in Table 17. A total of 1,775 examinations were carried out at the Central Laboratory, of which 165 were suspected cases of Poliomyelitis showing an increase in cell count.



*Blood Cultures:*

TABLE 18

## ORGANISMS ISOLATED FROM BLOOD CULTURES

Haemolytic streptococcus (Gr. A).....	12
Streptococcus viridans.....	70
Non-haemolytic streptococcus.....	4
Haemolytic staphylococcus aureus.....	125
Salmonella typhi.....	16
Salmonella paratyphi B.....	5
Salmonella oranienburg.....	1
Brucella abortus.....	6
Pneumococcus.....	4
Total Positive Examinations.....	244
Total Negative Examinations.....	3,485
Total Examinations.....	3,729

Blood cultural examinations totalled 3,729, of which 244 showed pathogenic organisms. It is interesting to note that six cultures showed the presence of *B. abortus*. These organisms have been cultured from six blood cultures submitted since the time that 10 per cent carbon dioxide was placed in the bottle containing the medium. Before this procedure was adopted specimens submitted for the isolation of *B. abortus* invariably produced negative results.

*Penicillin Sensitivity:*

TABLE 19

## RESISTANCE OF ORGANISMS TO PENICILLIN

Amount S.U. Penicillin	Hemolytic Staph. Aureus	Non- Hemolytic Staph. Aureus	Hemolytic Strepto- coccus	Non- Hemolytic Strepto- coccus	Strep. Viridans	Pneumo- coccus	Miscel- laneous
50	17	..	2	..	..	..	..
45	6	..	..	..	..	..	..
40	2	..	..	..	..	..	..
35	2	1	..	..	..	..	..
30	..	..	..	..	..	..	..
25	2	..	..	..	..	..	1
20	1	..	..	..	..	..	..
15	2	..	..	..	..	..	..
10	3	..	..	..	..	..	..
5	4	..	..	..	..	..	..
4	17	2	..	..	2	3	2
2	10	..	3	1	1	1	..
1	9	..	..	..	1	1	..
.5	4	1	1	..	6	..	1
.25	9	3	2	..	1	..	..
.125	20	..	5	..	1	2	..
.062	66	4	5	..	4	3	..
.031	169	7	7	..	7	4	..
.015	90	6	24	1	10	5	1
.007	12	3	27	1	13	4	..
.003	3	..	13	..	1	3	..
less .003	..	..	6	..	5	1	..
Total..	448	27	95	3	52	27	5

Grand Total: 657.

Penicillin sensitivity tests have been carried out throughout the year, 657 examinations being performed. It is interesting to note that during 1945 the highest resistance of any organism to penicillin was 5 standard units. As indicated in Table 19 resistance of some organisms isolated has increased to such an extent that 11 cultures of Haemolytic staphylococcus aureus and 2 cultures of Streptococcus haemolyticus were resistant to as much as 50 standard units of penicillin.

### *Virus:*

TABLE 20  
VIRUS SPECIMENS

Lymphocytic choriomeningitis.....	9
Encephalitis.....	5
Poliomyelitis.....	9
Virus pneumonia.....	13
Psittacosis.....	14
Lymphogranuloma venereum.....	12
Acrodynia.....	1
Foot-and-Mouth disease.....	1
Infantile diarrhoea.....	16
Psittacosis (Birds).....	84
Rabies (Dog Heads).....	6
Total.....	170

Under the able direction of Dr. N. A. Labzoffsky 170 examinations were carried out for virus diseases. Considerable research is being carried out on virus diseases and the rapid agglutination test which was devised by Dr. Labzoffsky shows considerable promise as a laboratory aid in the diagnosis of psittacosis and ornithosis. Of the 12 specimens examined for Lymphogranuloma venerum, 3 were found positive, one being from a civilian patient and two from patients in the Armed Services. Only two specimens submitted for complement fixation test for psittacosis showed a reaction and these were not of sufficient intensity to be regarded as positive. Table 20 indicates the type of examinations carried out in the virus laboratory.

### *Media and Stains:*

TABLE 21

#### MEDIA AND STAINS

Liquid media.....	3,426 litres
Solid media.....	2,884 "
Stains.....	657 "
Saline.....	229 "
Poured plates.....	77,781 plates
Egg media.....	114,893 tubes
Laked blood for G.C.....	12,000 "
Wax ampoules for dark fields.....	2,850 "
Bottles for feces outfits.....	8,374 bottles
Bottles for blood cultures.....	3,634 "
N/1 NaOH used.....	1,096 ounces
Distilled water used.....	1,007 gallons

Table 21 indicates the volume of work which has been performed by our Media Section at the Central Laboratory, during 1946.

### *Outfit Preparation:*

The preparation of outfits for distribution to physicians and hospitals is indicated at the foot of Table 1.

## CHEMISTRY SECTION

A. R. BONHAM, B.A.Sc., F.C.I.C., *Chief Provincial Analyst*

There were 3,358 more blood samples submitted for test in the Chemical Section of the Central Laboratory during 1946 than in the preceding year. Likewise there were 1,435 more liquor analyses made for the Liquor Control Board. The increase in the blood specimens amounted to 11.8 per cent and consisted almost solely of blood sugars, while the increase in liquor analyses was more pronounced at 46.2 per cent.

Concerning medicinal and laboratory products produced in the Section, there was 40.6 per cent more colloidal gold solution prepared over the previous year, and 762 more one-half ounce bottles of one per cent Silver Nitrate solution manufactured for distribution. There was also a reasonable increase in the amount of ordinary distilled water produced, but an appreciable drop in the number of 20 cc. ampoules of sterile distilled water. There was no manufacture of suspension of either bismuth or mercury since its discontinuance late in 1945.

Following is a summary of medicinal and laboratory products prepared during the year 1946:

Ordinary Distilled Water.....	2,492 gallons
Sterile Distilled Water.....	4,760 20 cc. ampoules
Normal Sodium Hydroxide.....	1,096 ounces
Silver Nitrate.....	2,638 ½-oz. dropper bottles
Colloidal Gold.....	270.95 litres

## DIVISION OF PATHOLOGY

M. C. DINBERG, B.Sc., M.D., *Provincial Pathologist*

Herewith is submitted the annual report of the Division of Pathology for the year 1946.

The number of specimens submitted and examined was greater than in any previous year. A second automatic tissue dehydrator was installed to cope with this increase, but the small amount of floor space assigned to this section, due to general over-crowding in the Central Laboratory, continues to preclude any work other than that of a strictly routine nature. Even this suffers from the inadequate space for staff and equipment.

Dr. H. D. Howell and Dr. M. C. Dinberg were granted specialist certification in pathology by the Royal College of Physicians and Surgeons.

Dr. M. C. Dinberg was appointed regional pathologist to the Attorney-General's Department, for the northern Ontario area.

I am grateful to Professor W. L. Robinson for consultant advice and to Dr. E. L. Barton for kind-co-operation.

TYPE OF SPECIMEN EXAMINED	Number of Specimens	Number Malignant
Surgical.....	12,997	816
Blood Smears.....	183	...
Autopsies.....	105	8
Total.....	13,285	824

## REGIONAL LABORATORY—FORT WILLIAM

A. E. ALLIN, B.A., M.D., D.P.H., *Director*

I have the honour to submit herewith the Annual Report of the Fort William Regional Laboratory for the year 1946.

Routine examinations numbered 56,903, an increase of 30.7 per cent during the year. This increase was generally distributed but principally in serology where 14,938 Presumptive Kahns were performed in contrast to 8,797 during 1945.

6,474 bottles of Biologicals; 1,841 vials of Insulin; 41 vials of Old Tuberculin; 65 vials of Silver Nitrate and 41,360 Outfits were distributed.

Despite the increased volume of work, it was found impossible to obtain additional trained technical help. Consequently no expansion was possible. Mr. Harold Jones joined the staff in February, replacing Mrs. C. Barnes. He resigned in July and was replaced by Miss Mary Pohorilec. Miss M. Weaver, serologist for the past two years, resigned in October. Mr. L. Heald, part-time worker, commenced full-time duties in July.

A minimum of time was found for research. This was limited to further investigation of the species of *Pasteurella* occurring in wounds following cat-bites. Anti-sera were prepared against *P. cuniculicida*, *P. pseudotuberculosis*, *P. aviseptica*, *P. bubalseptica* and against several strains of *Pasteurella* isolated locally in recent years.

Diphtheria was endemic throughout the area served by this laboratory, particularly among the Indian population. 1,473 swabs were submitted for *C. diphtheriae* and 137 from 39 patients were positive.

I wish to express my thanks to Dr. Barton, Dr. Dinberg and Dr. McClure and to the personnel of this laboratory for their co-operation throughout the year.

## REGIONAL LABORATORY—KINGSTON

J. H. ORR, M.D., *Director*

I have the honour to submit herewith the Report of the work done in this Laboratory during the year ending December 31st, 1946. The volume of work increased this past year by some 8,000 examinations over that done in 1945. This could be attributed to some extent to the work taken over on October 1st which had previously been carried out in the Richardson Laboratory under the direction of Dr. James Miller.

I should like to express my appreciation of the loyal work of the staff of this Laboratory who, during the past three months, have been working under considerable handicap due to the remodelling of the Laboratory. I wish also to express my appreciation of the hearty co-operation of Dr. Barton and the staff of the Central Laboratory throughout the past year.

## REGIONAL LABORATORY—LONDON

W. M. WILSON, M.D., *Director*

I have the honour to submit herewith our annual report for the year 1946.

The total number of examinations made during the year was 172,101, which is an increase of 23,599 examinations, or 15.8 percent over the previous year. The number of tests done for the Army, Navy and Air Force totalled 26,055,



which is a decrease of 13,442 examinations for the armed forces, as compared with the previous year. With the cessation of hostilities and the discharge of Army personnel the number of specimens received from this source for bacteriological, serological and chemical examination during the latter half of the year showed a marked decrease. In view of this decrease, the increase of 15.8 per cent in the grand total is very gratifying and indicates an increased demand for laboratory work for the civilian population. Tests for industries have more than doubled during the year; for the Red Cross the volume of work has remained constant, and for the Department of Veterans Affairs 4,470 examinations were made.

The serological division showed an increase of 20,373 examinations (21.6%) over the previous year. During this period the qualitative globulin test on spinal fluid specimens was discontinued as a routine procedure and apart from this no change was made. In the bacteriological, pathological and chemistry divisions there was some variation as normally found from year to year with slight increases being noted in many branches.

During the year 102,012 outfits were prepared for distribution and 104,489 outfits were distributed to physicians and hospitals for the collection of material for examination. There were 30,832 packages of biological products and 7,061 packages of insulin distributed from this laboratory.

Prior to October 1, 1946, this laboratory was subsidized by the Department of Health of Ontario, and was part of the University of Western Ontario, and was known as the Institute of Public Health. On the above date the Provincial Department of Health made this a Regional Laboratory, and the staff became full-time employees of the Department. With this change Friedman Tests for pregnancy and the preparation of vaccines were discontinued as routine tests. The University of Western Ontario maintains the building, the second and third floors being used for laboratory purposes.

I wish to express my sincere appreciation to our staff for their co-operation, to Dr. A. J. Slack and Mr. R. B. Willis and others of the University of Western Ontario for assistance given during this period of re-organization, and to Dr. J. E. Sharpe, Assistant Deputy Minister of Health, and Dr. E. L. Barton, Director of Laboratories, and staff of the Central Laboratory for their kind co-operation and advice during the past year.

#### REGIONAL LABORATORY—NORTH BAY

A. D. McCLURE, B.A., *Director*

I have the honour to submit herewith the report of the number of examinations carried out in the North Bay Regional Laboratory during the calendar year of 1946.

The volume of work has increased by 28 percent over that of the previous year. This increase does not seem to be confined to any particular branch of the work. Marked increases are shown in examinations for tuberculosis, miscellaneous bacteriology, syphilis and blood chemistry. No marked change is shown on the number of examinations for enteric diseases.

Please accept the thanks of the staff and myself for the help which has been given us by the staff of the Central Laboratory on many occasions.



## REGIONAL LABORATORY—OTTAWA

S. F. PENNY, M.D., *Director*

I have the honour to submit herewith the 1946 report of this Regional Laboratory.

Total examinations for the year numbered 146,189 and their source is set out in the following table:

	Number of Examinations	Percentage of Total Examinations
City of Ottawa.....	92,271	63.1
Ottawa District.....	18,658	12.7
Army.....	17,589	12.1
Air Force.....	11,118	7.6
Navy.....	2,553	1.7
D. V. A.....	4,000	2.7
	146,189	

The total of 146,189 examinations shows an increase of 5,677 over 1945. This increase was made up of diphtheria cultures, gonorrheal cultures, miscellaneous bacteriological and milk specimens. Specimens from the Services decreased in the latter part of the year, but the civilian work increased.

At the end of 1945 an epidemic of diphtheria began in Ottawa City and district and this has continued unabated to the end of 1946. During 1946 a total of 6,950 throat swabs were cultured and from these 1,016 specimens were subjected to further examination and yielded 180 confirmed positive cases. Virulence tests performed reached 209. Positive diphtheria cultures have been isolated and sent to the Central Laboratory for typing and epidemiological investigation. In addition, duplicate swabs of positive cases have been collected and sent to the Laboratory of Hygiene, Ottawa, in a co-operative investigation. The organisms isolated have proven to be predominately of Intermedius type (82.2%). A much smaller number of Gravis (7.3%), Atypical Gravis (6.2%) and Mitis (4%) types was found. The predominating organism appears to be of high virulence, and clinically this epidemic has shown a high mortality rate.

Large quantities of diphtheria anti-toxin and toxoid have been distributed to the local and district physicians.

An outbreak of epidemic diarrhoea of the new-born in a local hospital was investigated bacteriologically. No single causative organism was isolated from these cases, but virus studies are still in progress at the Central Laboratory. As a result of this epidemic, periodic bacteriological examinations of the personnel of the hospital are being carried on.

We have supplied from the Serology Section, large numbers of blood sera to the Laboratory of Hygiene for investigations and have conducted many comparative tests on antigens supplied by it.

Recently an epidemic of ringworm of the scalp has appeared in the city, and from numerous hair specimens cultural examinations have revealed the causative fungus to be of the *Microsporon lanosum* type. Experiments are being conducted toward the control of the spread of this fungus by antiseptics.

The staff of the laboratory has been depleted by sickness during the year and several changes in personnel have occurred, three members having resigned to be married and four to take other positions.

A part of the stockroom is being converted to laboratory space for pathological tissue service, but due to the difficulty in securing plumbing supplies, this change has not been completed. It was hoped that a new storage shed could be built at the rear of the property, but the tendered price of construction was so high that this project had to be deferred.

With greatly increased work and personnel, this laboratory has become badly cramped for space and facilities and it is hoped that new quarters may be found in the near future. This overcrowding is not to be explained by the work for the Armed Services and the diphtheria epidemic, but is due to the increasing demand for laboratory service in the city and district.

My appreciation is extended to the staff of this laboratory and to Dr. E. L. Barton, Dr. W. B. McClure and the staff of the Central Laboratory for their co-operation during 1946.

### REGIONAL LABORATORY—TIMMINS

G. MACPHERSON, B.A., M.A., *Acting Director*

I have the honour to submit herewith the Annual Report of this Branch Laboratory for 1946.

The total examinations for the year were 9,709, an increase of 4,074 over the previous year. There has been a marked increase in all departments. It varies from 30 percent in Haematology and Chemistry to 130 percent in Bacteriology. Unfortunately, restricted space has limited procedure additions to Rh factor studies.

It is hoped that adequate quarters will be available within the year. These are, indeed, almost imperative because of the steadily increasing population of the Porcupine. Part of this is due to the post-war re-expansion of the established mines and part to the opening up of many new properties with the attendant general opening up of the surrounding lands.

There have been some staff changes. Illness forced Miss N. Douglas to leave the service. She was replaced by Miss G. F. Stitt. Miss S. Malinosky resigned in October. As yet, no definite arrangement has been made for her replacement.

I wish to thank Dr. E. L. Barton and the staff of the Central Laboratories for their co-operation and help during the year.

### REGIONAL LABORATORY—WINDSOR

W. J. A. PERCY, M.A., *Acting Director*

I have the honour to submit herewith the Annual Report of the Windsor Regional Laboratory for the year 1946.

In January, 1946, the Department of Health took over the Windsor Board of Health's Laboratory and provided a limited service for the City of Windsor, pending the remodelling of a building to house the Regional Laboratory. This remodelling was finished just before Christmas and, on the 23rd of December, the move was made to the new quarters.

The new laboratory is one of which the Department might well be proud, being spacious, light and modern. It is, in fact, the best laboratory over which the Department has control. The official opening will take place early in 1947.

I wish to express my appreciation to Dr. Barton, and to the staff at the Central Laboratory for their advice and co-operation in the many problems which arose during the year.

### REGIONAL LABORATORY—SAULT STE. MARIE

N. F. W. GRAHAM, M.D., *Director*

During the past year an increase of 2,120 specimens examined was noted. The increase in sputums was due to the increased interest in tuberculosis in the community, 11,610 persons being examined at the X-ray Clinic held in this city in September, and closer follow-up work by the Public Health nurses.

More Serology was done, this being due to the regular weekly blood bank and pre-natal examinations being done by the doctors.

N. P. N.'s have increased 84 over the last year.

We are looking forward to increased accommodation by an addition being built to this laboratory which we hope will take place early this year

### SUBSIDIZED LABORATORY—BELLEVILLE

J. B. MCKAY, M.D., *Director*

A report of the work carried out during 1946 at this subsidized Branch Laboratory is herewith submitted.

The total number of tests performed exceed that of any previous year by approximately 3,000. There has been a definite increase in the number of all the various tests performed here, excepting agglutinations, blood culture, milk and water analysis. These have decreased slightly due to marked reduction in the concentration of the air force personnel in this district and to the fact that the Cobourg milks are now being done elsewhere.

The service has been expanded during 1946 as follows:

In August a department of Parenteral Therapy was formed under the Director of the Laboratory. This has effected a marked decrease in reactions resulting from administration of saline and blood. One full-time registered nurse is in charge of this work.

The services of one additional technologist have been procured.

An electrocardiograph has been purchased and has been in operation since October. The part-time services of a nurse-technologist are available for operating this equipment.

We wish to acknowledge with sincere appreciation the continued co-operation of the Central Laboratory staff and that of the Barrie Street Laboratory in Kingston. We are particularly indebted to Dr. W. L. Robinson, Consultant Pathologist, for invaluable aid given in the interpretation of problem slides.

### SUBSIDIZED LABORATORY—PETERBORO

C. B. WAITE, M.D., *Director*

I am submitting herewith my report of work performed in this laboratory for the year 1946.

The work remains almost at the same high level as the previous year. The continuance of the local Training Centre into the early part of the year entailed a small amount of additional work, as also did the presence of the Veterans'

Hospital. There were no epidemics to report but we are picking up sporadic cases of Salmonella infections, at least one of them fatal.

We are frequently asked now for chemical determination of blood constituents which we formerly were never asked for. We have not sufficient staff to do these, nor have we a skilled chemist. Making up of outfits, in addition to other work, is putting a serious strain on the present small staff. We should really have additional help.

I wish to thank the Director and his staff for assistance during the year.

All of which is respectfully submitted.

### SUBSIDIZED LABORATORY—WOODSTOCK

R. H. KARN, *Director*

I wish to submit herewith the Woodstock Laboratory Report for 1946, dating from September 1st.

On November 29th, 1946, the Laboratory extended its services to the medical practitioners in Oxford County. Prior to this time our work was confined to the Ontario Hospital, Woodstock, and the Medical Officer of Health, Woodstock. We are now receiving specimens from various parts of the County. We can but hope that the physicians will use our facilities to their fullest extent during the coming year.

May I express my gratitude to Dr. E. L. Barton and the staff of the Central Laboratories, to Dr. E. A. Clark, Medical Superintendent of the Ontario Hospital, Woodstock, for his advice on many problems, and our own staff members, without whose co-operation this Laboratory could not efficiently fulfill its purpose.

### SUBSIDIZED LABORATORY—KITCHENER

L. C. FISCHER, M.D., *Director*

I have the honour to submit a report of the work done in the Kitchener-Waterloo Laboratory for the year 1946.

We are both happy and proud on being approved and added to the list of Provincial Department of Health Branch Laboratories early in 1946. And we appreciate very much the fine help we have received from Dr. McClure, Dr. MacNabb and Dr. Barton.

During 1946 our work has been almost entirely for our Kitchener-Waterloo Hospital. It has been a year of organization, getting more staff and trying to get the necessary equipment. We added a trained technician to our staff December 1st, 1946, and have engaged a stenographer to begin January 2nd, 1947. We have received some very excellent equipment, including an auto-technicon, but are still short of some very essential equipment.

Mr. Uttley, Miss Eveleigh and myself wish to express our appreciation to Dr. Barton and his staff for their kind assistance while we were in Toronto receiving refresher courses at the Central Laboratory.

We hope to launch ourselves into Departmental work within the next three months, supplies and equipment permitting.



## SUBSIDIZED LABORATORY—STRATFORD

S. J. C. MILLER, M.D., *Director*

The statistics for the Stratford General Hospital Laboratory are herewith submitted for the year 1946.

Routine examinations numbered 14,204. As the laboratory proper was not completed until late June and much of the basic laboratory equipment extremely late in arriving, these two factors are mainly responsible for the relatively low total noted.

The staff has increased to five with the addition of three technicians and a part-time stenographer. Miss K. Brown, our most recent technician, has recently returned, following a month's refresher course in serology with Miss Hughes.

Routine hospital investigations have increased tremendously since laboratory facilities have been made available at this institution, as previously all procedures were carried out at London or Toronto. The addition of Tissue Section, both paraffin and frozen section, has created a new interest in staff meetings which hitherto were poorly attended.

The laboratory has been instrumental in obtaining a new blood bank to provide this hospital, and others in this area, with a steady supply of available blood and plasma for all needs. This has been a problem in the past on many occasions.

Recently the laboratory has taken over the distribution of outfits for this area from our own stock.

Routine Bacteriology for the past three months amounted to 222 specimens. Presumptive Kahns numbered 1,128 for a six month period. Routine Serology was relatively low with 66 investigations. Water Analysis for a two-month period numbered 65. All these latter investigations are bound to increase.

I wish to express my appreciation for the continued generous co-operation from Central Laboratory and Branch Laboratory at London. I am especially indebted to Dr. McClure, Dr. Barton and Dr. W. Wilson for advice and assistance in getting this laboratory established. The policy of decentralization advocated by Dr. MacNabb has many adherents in this area as shown by the tremendous interest shown in the new Health Centre which is to be established in Stratford, with the Laboratory as one of the main new units.



## REPORT OF THE LIBRARY

FREDITA HENLEY WRIGHT, *Librarian*

During the year 1946 the Central Library has continued to meet the many demands made upon it for literature and information on medical subjects. In addition to the requests received from the departmental staff, the number of non-departmental inquiries is steadily increasing. The Library has endeavoured to meet all demands and to keep abreast of the current medical literature by securing new reports and pamphlets.

Four meetings of the Library Committee were held during the year to assist in the administration of the Library and to approve the purchase of books.

### LOAN SERVICE

There were 5,038 loans made by the Central Library during 1946. Within the immediate department requests for literature reached a total of 3,933 while to the outside service the Library forwarded 1,105 references. The loan service from the Central Library is extended to: physicians, psychologists, nurses, occupational therapists and dietitians connected with the administration of the 15 Ontario Hospitals; the Directors and staffs of Mental Health Clinics and the Directors and staffs of Branch Laboratories and Tuberculosis Clinics.

### CIRCULATION OF JOURNALS

The regular circulation of journals was maintained during the year. Journals were circulated to the clinicians in charge of the Provincial Travelling Chest Clinics at Belleville, Ottawa and Timmins, and to the Tuberculosis Unit at the Ontario Hospital, Woodstock.

Journals containing articles dealing with "shock therapy" in the treatment of mental disease continued to be circulated, immediately upon receipt, to the Ontario Hospitals administering this treatment.

The Branch Laboratories at North Bay, Ottawa, Kingston, Belleville, Fort William, Kirkland Lake, Windsor and Mimico received regular circulation service of technical journals.

### PATIENTS LIBRARIES

Through the services of the Central Library the following reading material was procured for the Patients' Libraries in the Ontario Hospitals:

Books—The Central Library personally selected 555 library discards which were delivered to the Library where they were packed and re-shipped to the Hospitals.

Periodicals—The Central Library placed 154 annual subscriptions to periodicals for the exclusive use of the patients. There were also approximately 7,366 copies of unsold periodicals delivered by a Toronto News Agency. These were purchased by special arrangement made by the Central Library.

The Ontario Hospital at Fort William also was supplied with unsold copies of periodicals by a local News Company. This service was donated to the hospital and was very much appreciated.

Newspapers—The Central Library placed 101 subscriptions to various Provincial newspapers for the sole use of the patients.

### SPECIAL SERVICES

The Library was requested to assist in a book display at the conference of Medical Officers and Nursing Supervisors of County Health Units held early in the year. The exhibit proved to be of considerable interest.

The Central Library also compiled and distributed to all medical personnel in the Ontario Hospitals a list of Library accessions. This service was provided twice during the year. The response, by increased requests for books, was quite marked.

### ACCESSIONS

The accessions to the Library for the year 1946 were as follows:

CENTRAL LIBRARY	
Books purchased.....	175
Journals (vols.).....	156
Reports.....	65
Pamphlets.....	1,473
	<hr/>
	1,869

Subscriptions to journals for the year numbered 133, while the Library received 23 complimentary subscriptions, making a total of 156.

ONTARIO HOSPITALS	
Books purchased:	
Medical.....	263
Fiction (library discards).....	553
Journal subscriptions (med. and tech.).....	196
Year Books.....	9
Periodicals:	
Subscriptions.....	154
Unsold copies.....	7,366 (approx.)
Newspapers (subscriptions).....	101
	<hr/>
	8,644

The compilation of bibliographies, together with cataloguing and other routine library procedure, has made the year a busy one. The Library has had pleasure in making the above contribution to the work of the Department.

## DIVISION OF MATERNAL AND CHILD HYGIENE

ELIZABETH L. KITELEY, M.B.

This Division concerns itself in the furthering of public and official interest in the care of mothers and children. Realizing the essential part played by pre-natal supervision in the health and well being of the pregnant woman, as well as that of her offspring, the 1946 Legislature, by amendment to The Public Health Act, made available one free, complete, medical examination during the period of pregnancy. This legislation, which became effective October 1st, 1946, is applicable to any expectant mother resident in the Province, the examination to be made by the physician of her choice, and to whom she makes direct application. In the three months, October 1st to December 31, 12,334 pregnant women made the required application to 665 physicians in 303 municipalities and received the resultant examination. It is hoped that the making of this service readily available to expectant mothers, together with education as to the importance of medical guidance throughout the entire pregnancy, should do much to decrease maternal and infant morbidity and mortality.

This special activity is under the direction of Dr. E. R. Westman, who joined the Division Staff October 1st, 1946.

The maternal death rate for the year 1945, the last year for which data are available, shows a slight but significant decline, the provincial rate being 2.2 per thousand living births (preliminary figure), the lowest ever recorded. Infection again takes precedence in the list of causes of death among these women, 46 cases or 27% of the total maternal deaths being attributed to this. In spite of the apparent increase in the group the rate is actually on the decline, as may be seen from the accompanying tables. While great hopes were held for chemotherapy and antibiotics in this field, experience has shown that the use of these does not constitute the entire solution for the prevention and treatment of infection. On the other hand, an increase in infection, which may have been anticipated because of wartime and postwar conditions, such as overcrowding, etc., has not materialized. Hemorrhage, which was responsible for the death of 33 women or 19% of all maternal deaths, is somewhat higher than it has been for several years. It would seem reasonable to expect that with the more readily accessible supply of whole blood and blood plasma, mortality from this cause should be further reduced. There has been a satisfactory decline in the rates of deaths from puerperal toxemia. This decline might be taken to indicate that to an increasing extent the expectant mother is being made to realize the value of adequate pre-natal care.

TABLE A

## MATERNAL MORTALITY RATES PER 1,000 LIVING BIRTHS

5-Year Averages, 1921-1945

Years	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945
Rates.....	5.41	5.79	5.30	4.57	2.53

TABLE B  
MATERNAL MORTALITY RATES PER 1,000 LIVING BIRTHS  
By Years, 1936-1945

Years	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Deaths.....	355	319	251	276	254	219	206	189	198	171
Rates.....	5.68	5.17	3.83	4.30	3.71	3.03	2.63	2.33	2.54	2.17

TABLE C  
MATERNAL MORTALITY AND RATES PER 1,000 LIVE BIRTHS  
By Causes, 1941-1945

	Deaths, 1941-1945					Rates per 1,000 live births				
	1941	1942	1943	1944	1945	1941	1942	1943	1944	1945
Total.....	219	206	189	198	171	3.03	2.63	2.33	2.54	2.17
Infection.....	52	41	43	52	46	.72	.52	.53	.67	.58
Hemorrhage.....	27	29	25	22	33	.37	.37	.31	.28	.42
Accidents.....	27	23	22	27	26	.37	.29	.27	.35	.33
Toxemias.....	54	52	41	31	24	.75	.67	.51	.40	.30
Abortion with men- tion of infection...	33	34	22	33	18	.46	.43	.27	.42	.23
Abortion without mention of infec- tion.....	8	9	11	8	4	.11	.12	.14	.10	.05
All other causes.....	18	18	25	25	20	.25	.23	.31	.32	.25

In 1945 in Ontario there were 3,199 infant deaths (deaths under one year of age) or a rate of 41 per thousand living births (preliminary figure). Of this number 2,095 or 65% died under the age of one month. The principal causes of death for the entire group are shown in the accompanying tables.

TABLE D  
INFANT DEATH RATES PER 1,000 LIVE BIRTHS  
5-Year Averages, 1921-1945

Years	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945
Rates.....	82.80	74.11	60.95	49.58	42.11

TABLE E  
INFANT MORTALITY  
By Causes, 1931-1945

Years	1931	1932	1933	1934*	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Living Births.....	69,209	66,842	63,646	62,234	63,069	62,451	61,645	65,564	64,123	68,524	72,262	78,192	81,173	78,090	78,969
Infant Deaths.....	4,833	4,133	3,804	3,523	3,515	3,416	3,382	3,245	2,979	2,959	3,294	3,139	3,390	3,346	3,199
Prematurity.....	1,368	1,241	1,071	993	1,092	1,052	1,044	1,010	939	952	860	819	1,052	1,079	972
Congenital Malformation.....	463	481	455	410	415	434	428	446	429	460	514	583	582	526	598
Respiratory Diseases.....	557	485	419	411	409	426	415	421	362	377	380	420	410	357	377
Birth Injury.....	312	308	279	277	296	244	259	289	261	256	372	319	359	324	322
Diarrhoea and Enteritis.....	750	437	497	445	281	322	360	285	227	130	297	220	184	314	206
Infections.....	387	315	299	263	288	260	272	189	185	182	273	184	223	175	99
Congenital Debility.....	317	226	221	187	172	131	100	111	90	75	105	69	67	81	72
All other Causes.....	679	640	573	537	662	547	504	494	486	527	493	525	513	490	553

TABLE F  
INFANT MORTALITY RATES BY CAUSES, 1931-1945  
(Living Births—rate per 1,000 population)  
(Deaths—rate per 1,000 Living Births)

Years	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Living Births.....	20.2	19.2	18.1	17.6	17.6	17.3	16.9	17.9	17.3	18.3	19.1	20.1	20.7	19.7	19.7
Infant Deaths.....	69.8	61.8	59.8	56.6	55.7	54.7	54.9	49.5	46.5	43.2	45.6	40.1	41.8	42.8	40.5
Prematurity.....	19.8	18.6	16.8	16.0	17.3	16.8	16.9	15.4	14.6	13.9	11.9	10.5	13.0	13.8	12.3
Congenital Malformation.....	6.7	7.2	7.1	6.6	6.6	6.9	6.9	6.8	6.7	6.7	7.1	7.5	7.2	6.7	7.6
Respiratory Diseases.....	8.0	7.3	6.6	6.6	6.5	6.6	6.7	6.4	5.6	5.5	5.3	5.4	5.1	4.6	4.8
Birth Injury.....	4.5	4.6	4.4	4.5	4.7	3.9	4.2	4.4	4.1	3.7	5.1	4.1	4.1	4.1	4.1
Diarrhoea and Enteritis.....	10.8	6.5	7.8	7.2	4.5	5.2	5.8	4.3	3.5	1.9	4.1	2.8	2.3	4.0	2.6
Infections.....	5.6	4.7	4.7	4.2	4.6	4.2	4.4	2.9	2.9	2.7	3.8	2.4	2.7	2.2	1.3
Congenital Debility.....	4.6	3.4	3.5	3.0	2.7	2.1	1.6	1.7	1.4	1.1	1.5	0.9	0.8	1.0	0.9
All other Causes.....	9.8	9.6	9.0	8.6	10.5	8.8	8.2	7.5	7.6	7.7	6.8	6.7	6.3	6.3	7.0



Approximately half the infants who died during the first year of life died as a result of prematurity or congenital malformation, and 85% of this number did not survive more than one month. It might be surmised that the apparent increase in the number of deaths reported as due to prematurity could be related to the decrease in those reported as stillbirths. Recent investigations in several countries appear to indicate the state of health of the mother, both prior to conception and throughout pregnancy; her nutritional state generally and the quality of the pre-natal care to be potent factors in the reduction of deaths from these two causes. In view of this it seems reasonable to hope that with a continued increase in the application of a high standard of pre-natal and obstetrical care, what may have been regarded as an irreducible minimum in maternal and infant deaths may not be so irreducible after all. To this end this Division has interested itself in the promotion of pre-natal care as previously described, also in the institution of an inspection service of new born nurseries and obstetrical units of Public Hospitals, 35 such inspections having been carried out during the past year.

Diarrhoea and enteritis continues to take its toll, 205 infants having died from this cause. It is also to be noted that accidents and violence accounted for 112 deaths under one year, in which 23 occurred under one month of age.

Epitomizing the reported findings, it is to be noted that the substantial decline in maternal deaths has been maintained, that the death rate among infants in the so-called preventable period (2-12 months) is now being unduly weighted by those due to accident and violence and that prematurity and congenital malformations are still the most significant contributors to a death rate in this age group which is still higher than it should be.

Continuing the practice established in the previous year with respect to war brides, the Division distributed 1,527 copies of "The Baby", with a message of welcome to Ontario from the Honourable the Minister of Health.

The Division for the twelfth consecutive year, co-operating with the Department of Education, gave direction to the medical examination of all applicants to the nine teacher training schools in the Province. Registration for these courses was particularly heavy probably because of inclusion of many ex-service personnel. The benefits of health teaching in the services were amply demonstrated in the attitude as well as in the physical condition of these applicants.

## DIVISION OF NURSES REGISTRATION

ALEXANDRA M. MUNN, Reg. N., *Director*

I have the honour to submit the following report for 1946:

### *Council of Nurse Education:*

The Council of Nurse Education held five meetings during the year. At the Annual Meeting on March 25th, 1946, Miss Constance Brewster, of Hamilton, was re-elected Chairman. The membership of the Council has been increased by two additional nurse members, making a total of eleven members.

The Executive of the Registered Nurses' Association of Ontario met jointly with the Council of Nurse Education on three occasions to discuss the preparation of a statement on nursing education for the Minister of Health. The statement was presented in May, 1946. The summary of the statement read as follows:

#### "RECOMMENDATIONS—

We present for your consideration the recommendation that the present situation in nursing in Ontario be studied to enable a study of

1. The cost of nursing the patient adequately and the cost of a hospital organization which can accept the responsibility of the care for its own patients.
2. The proper organization of a school of nursing and the cost of operating it.
3. An increase in qualified teaching staffs for schools of nursing."

### *Legislation:*

In February, 1946, an Order-in-Council was passed which allows applicants from other provinces to enter approved schools of nursing in Ontario if they qualify for entrance to a University in their own Province. Formerly, such applicants were being barred from Ontario schools owing to a difference in the number of high school credits required for Matriculation.

### *Revision of the Minimum Curriculum:*

Miss Eleanor Clark, Reg.N., was named Chairman of the Committee in March, 1946. The Committee consists of five members. The first draft was presented to Council on October 11th, 1946. Satisfaction was expressed. The Inspector of Training Schools is working closely with the Committee and is devoting much time to it.

### *Personnel:*

Since August, 1946, the Inspector of Training Schools has been spending the greater part of her time in the work of co-ordinating the new programme for training Nursing Assistants.

### *Division of the Registration Examinations:*

On the recommendation of the Council of Nurse Education notice was given to all schools of nursing in August, 1946, that two of the seven registration papers, viz., Anatomy and Physiology and Principles of Nursing, would be written at the end of the first year of training beginning May, 1948.

### *Minimum Age Requirement for Schools of Nursing:*

In October, 1946, the Council of Nurse Education re-endorsed the regulation which requires that a student shall be eighteen years of age before being admitted to a school of nursing.

### *Schools of Nursing in Newfoundland:*

On the invitation of the Director of Medical Services in Newfoundland, a member of this Division visited the Schools of Nursing in Newfoundland in June, 1946, with a view to arranging reciprocal registration without examination for registered nurses from Newfoundland.

### *Participation in Professional Activities:*

During the year members of this Division attended meetings of the following Committees: The Ontario Red Cross Advisory Nursing Committee; Registered Nurses' Association of Ontario Committee on Registries; R.N.A.O. Publicity Committee; R.N.A.O. Committee to study the status of the Public Health Nurse in Schools of Nursing; the Advisory Committee for the C.V.T Course in Practical Nursing; the Advisory Council of the School of Nursing of the University of Toronto; the Canadian Nurses' Association Committee on Nursing Education; Committee to Revise the Minimum Curriculum for Schools of Nursing in Ontario.

### *Acknowledgement:*

Gratitude is expressed to Dr. A. H. Sellers, Director of Medical Statistics, for his able and helpful "Report on a Survey of Nursing Personnel in Hospitals in Ontario," published July, 1946. Much interest was shown in this report by other Provinces and Countries.

### *Registration Examinations for Nurses:*

Examinations were held in May and November for 1,489 candidates.

### *Applicants Registered from other Provinces, States and Countries:*

During the year 219 applicants were registered from other Provinces, States and Countries, as follows:

Alberta.....	17	Connecticut.....	2
British Columbia.....	18	Illinois.....	1
Manitoba.....	17	Massachusetts.....	2
New Brunswick.....	22	Michigan.....	7
Nova Scotia.....	17	New Hampshire.....	1
P. E. Island.....	2	New Jersey.....	1
Quebec.....	52	New York.....	15
Saskatchewan.....	24	Pennsylvania.....	3
		Wisconsin.....	1
	169		33
England.....	13		
New Zealand.....	1		
Scotland.....	3		

### STATEMENT OF REGISTRANTS

Total number registered, 1946.....	1,443
Total number re-registered, 1946.....	15,763
Total number taking examination, 1946.....	1,489
Total number registered since 1923.....	33,992

## STATEMENT OF REVENUE

Registration Fees.....	\$ 8,115.00
Re-registration Fees.....	19,092.00
Miscellaneous.....	71.09
Examination Fees.....	6,423.00
	<hr/>
	\$33,701.09

## REPORT OF THE INSPECTOR OF TRAINING SCHOOLS FOR NURSES

In Ontario there are sixty-three approved schools of nursing. This includes six Ontario Mental Hospital schools and the recently approved school of nursing, McMaster University, Hamilton.

The number of visits made by the Inspector of Training Schools in 1946 was as follows: Routine, 30; Brief, 4; Affiliations, 5.

Two surveys were made in June and October by the Medical Statistics Branch, Department of Health, about nursing personnel in hospitals in Ontario. The majority of figures in this report were taken from these surveys.

*Enrolment of Student Nurses:*

The number of student nurses in training on January 1st, 1946, was 4,235. This was 5.7% greater than the enrolment of January 1st, 1945. The intake of students in 1946 was 1,701. This was 15.8% greater than in 1945. The "wastage" rate during training was lower (4.7%) than in 1945 (6.3%). An effort was made to determine the enrolment objective of student nurses for 1946 and to what extent it was reached. The objective was set by the Superintendents of Nurses. Consideration of residence space, adequate teaching staff, and personnel needs such as graduate nurses, ward aides and domestics, should have been the basis for forming the objective. According to the returns the enrolment in all schools of nursing was 15.3% below the objective. The deficiency in the large schools of nursing was 1.2% in comparison to 27.3% of all other general hospital schools. The enrolment in the mental hospital schools was 68% below the objective. There are 91 student nurses in training in the Ontario Mental Hospitals.

In the majority of schools of nursing the residences are crowded and unsatisfactory. The October survey comparing residence capacity and enrolment objective for 56 schools of nursing shows that 17 schools attained their enrolment objective. The residence accommodation in these schools is utilized to 100% or more. The limited residence space curtailed the enrolment in the larger schools. Thirty-nine schools failed to reach their enrolment objective. In 22 of these schools the residence accommodation was 100% or more of its capacity. The remaining 17 schools which failed to reach their objective reported vacancies in their residences. This group of 17 schools represents less than 20% of the total student enrolment. A small number of hospitals are now building extensions to their residences. St. Joseph's Hospital, Peterborough, will complete a new residence in 1947. One very fine residence and teaching unit was opened this year at Hotel Dieu Hospital, Windsor.

*Teaching Staff and Classrooms:*

Although there is an increase in the number of qualified nurse instructors it is known that two thirds of the schools have two nurse instructors or less. This group of schools is responsible for teaching half the student nurses in the Province. In this group of schools there is a ratio of one instructor to 46 students.



Classrooms in half of the schools of nursing are located in basements and below the level of the ground. In more than one quarter of the schools of nursing there is no office for the Instructor. In schools where one nurse instructor is employed she may be required to teach as many as fourteen subjects. Too little time is provided for the preparation of lectures and marking of examination papers. Very often the Instructor is required to assist in the administration of the hospital on Sundays and holidays.

#### *Health Programme:*

It is a significant fact that the number of withdrawals of students in 1946 for medical reasons amount to less than 1.8%. This is one indication of the careful and consistent health programme which has been carried out in schools of nursing over a period of years.

#### *Affiliations:*

An affiliation centre was established at the Ontario Mental Hospital, New Toronto. The first class of 14 students enrolled on January 2nd, 1947. The following schools of nursing have an affiliation here:

Hamilton General Hospital  
St. Joseph's Hospital, Hamilton  
St. Joseph's Hospital, Sunnyside, Toronto  
Toronto Western Hospital  
St. Joseph's Hospital, North Bay.  
St. Joseph's Hospital, Sudbury.

It may now be said that every school of nursing in the Province has been offered an elective affiliation in psychiatry. However, the number of students who receive experience in psychiatric nursing annually is only 200.

The number of schools which have sought an affiliation with other hospitals has increased. In addition to the schools of nursing mentioned above, six others have commenced an affiliation in 1946 with the Ontario Mental Hospitals. Two more schools have an affiliation at Children's Hospital, Winnipeg. At a conference which was held recently in London, arrangements were made for student nurses to have an observation period with the Victorian Order and public health agencies of that city.

#### *School of Nursing Committee:*

During the inspection of the schools of nursing the Superintendents of Nurses were encouraged to develop a School of Nursing Committee which would act in an advisory capacity on matters concerning the welfare of the school. All schools of nursing were encouraged to assist nurses to take post-graduate courses. There is an increasing interest being shown by executives of schools of nursing and hospitals in providing scholarships.

#### *Monthly Report Forms:*

The Superintendents of Nurses in the schools of nursing have assisted this Branch greatly by providing up-to-date information on monthly report forms. The completed forms contain facts about admissions, withdrawals and illness of students. They indicate changes and vacancies which occur on the staff.

#### *The Course for Nursing Assistants:*

A nine-month course for the training of nursing assistants was started in September, 1946, under the joint direction of the Departments of Education and Health. This was the result of an inquiry made by the Minister of Health in June, 1946, concerning the shortage of nursing personnel in hospitals in Ontario.



Approval for such a course was given by the representatives of the Registered Nurses' Association of Ontario, Ontario Hospital Association and Ontario Medical Association.

An Advisory Committee of thirteen has been appointed; it consists of seven Superintendents of Nurses, two representatives from the Registered Nurses' Association and two from the Department of Health, one from the Ontario Hospital Association and one from the Department of Education. The co-ordination of the theory and practice in the three training centres—Hamilton, Kingston and Toronto—is the responsibility of the Nurses Registration Branch.

The course is based on the syllabus which was approved by the Registered Nurses' Association and the Department of Health, for use in the chronic and general hospitals in the Province. The trainees spend the first three months in one of the training centres and the last six months in selected chronic and general hospitals.

A monthly allowance is given by the Government for trainees who are residents of Ontario.

Qualified nurse instructors have been secured. At present there are six at the training centres and one at each of the hospitals selected as a practice field.

The original enrolment objective was sixty for each centre every three months. Because of the limited number of suitable applicants the educational requirement was changed in December from Grade X to Grade VIII. The enrolment at the beginning of 1947 was 130.

Reports received from the hospitals where the nursing assistants are training are encouraging. When the trainees have successfully completed their course and have passed examinations set by the Nurses Registration Branch, a certificate will be given by the Department of Health. It is hoped that they will then seek employment in hospitals and thereby help relieve the shortage of nursing personnel in Ontario.

The Department of Health has agreed to recognize similar courses which are conducted in hospitals in Ontario. The inspection and approval for such courses will be the responsibility of the Nurses Registration Branch.

## DIVISION OF PUBLIC HEALTH NURSING

EDNA L. MOORE, Reg.N., *Director*

Throughout the year the growing concern and interest of municipal authorities in the organization and extension of public health services recorded in the report for 1945 continued. Seven Health Units and one County School Health Service came into being, namely, the Counties of Brant, Bruce, Dufferin, Lambton (part of the county), Peel, Prescott and Russell, Prince Edward, and the Lennox and Addington County School Health Service. The following municipalities established generalized public health nursing services: Etobicoke Township, Markham Township and Village, Neening Township, Prescott and Smith's Falls. The Welland-Crowland Health Unit area was extended and the designation changed to "Welland and District."

The number of public health nurses available was not sufficient to fully staff the new services and meet the needs caused by enlarged programmes in existing services to which must be added a considerable number of vacancies resulting from resignations and retirements.

Of the thirty-two nurses who completed the Certificate Course in June thirty-one accepted positions throughout the Province. In September, under the Plan inaugurated two years ago, thirty-four registered nurses enrolled in the Certificate Course in Public Health Nursing at the Universities of Ottawa, Toronto and Western Ontario. One nurse withdrew from the Plan in December. The total registration in the Certificate Course numbered approximately two hundred.

In the 1944 Annual Report attention was drawn to the need of well prepared, experienced public health nurses for positions of leadership. In June four nurses successfully completed the Advanced Course in Administration and Supervision in Public Health Nursing at the University of Toronto under the Assistance Plan of the Department. Three of the group accepted the posts of Supervisor of Public Health Nursing in Health Units and the fourth is Senior Public Health Nurse in a large Health Unit. Seven nurses registered for the Advanced Course under our Plan in September. Two of them have been granted leave-of-absence and will return to their organizations to fill senior posts. The others, if successful, will accept positions anywhere in Ontario.

At the opening of the year the Public Health Nursing staff of the Division numbered twelve and the stenographic staff two. N. Edna Howey, senior member of the supervisory staff, retired because of illness September 1st. June 22nd the resignation of Margaret Wright, Assistant to the Director, was accepted, and in April Ora A. Lefler retired. July 1st Edna Squires was loaned to the Prescott and Russell Health Unit to fill the post of Supervisor of Public Health Nursing for one year. Marjorie Rutherford was granted leave-of-absence from September to June, 1947, to pursue the Advanced Course in Administration and Supervision under the Department of Veterans Affairs at the University of Toronto. Muriel Lowry returned to the staff September 1st after several years leave-of-absence during which she was Supervisor of Public Health Nursing in the Stormont, Dundas and Glengarry Health Unit. In May the third stenographer joined the staff.

In the cessation of Miss Howey's service, the supervisory programme has sustained a serious loss. She is well and favourably known throughout the Province and much of the development in public health nursing during the past

fifteen years has been due to her patient encouragement and tactful leadership. During the comparatively short period that Miss Wright was a member of the staff she made an outstanding contribution to the work of the Division. Miss Lefler, whose activities during a long service carried her over the greater part of the Province, was associated with Health Unit organization from its inception.

Miss Elizabeth L. Smellie, C.B.E., R.R.C., LL.D., Honourary Consultant in Public Health Nursing to the Department, has given generously of her time in the consideration of problems. Her wide knowledge of nursing matters throughout Canada and elsewhere, together with her sympathetic understanding, make her counselling invaluable.

Six members of the staff assisted with the Normal School and College of Education medical examinations of applicants, and arrangements were made for nursing staff at London, Peterborough and Stratford.

Alice G. Nicolle, the Educational Supervisor, visited ten Health Units and six of the larger municipalities throughout the Province. She attended a conference with the Director of Guidance, Department of Education, at Windsor, and carried on extensive correspondence regarding health programmes for secondary school students. The question of co-ordinating local health services and the teaching programmes in Schools of Nursing came to her attention frequently and was dealt with after consultation with the Division of Nurse Registration staff.

Misses Pennock and Nicolle assisted with the health service and teaching programmes of the Summer School on "Health and Physical Education" conducted by the Department of Education.

The Supervisors had a difficult year and their plans were interrupted often on very short notice. They visited ninety-eight centres, representing six hundred and nine days. Because of reduced staff the districts were changed in an effort to cover the Province; however, it was not possible for so few workers under such circumstances to give the quality of service they wish to render. Such a state of affairs is trying and the highest commendation is due the Supervisors for their cheerful acceptance of added duties.

Considerable time and effort was given to interviewing applicants for the Assistance Plan and securing information to aid in making selection. Consultations were held with the Faculty members of the Universities regarding field practice arrangements.

Thirty-five out-of-town trips were made by the Director, including a visit to the Red Lake-Kenora District and the Lakehead.

In response to an urgent request, Rose Hally went to Red Lake where she gave a generalized public health nursing service from February 16th to the end of June.

Katherine Osborne supplied for the Senior Nurse of the Peel County School Health Service during April, May and June, and carried out a survey of school health needs in Amherstburg and the townships of Anderdon and Malden during November and December.

An important development during the year was the opportunity for public health nurses to participate in the short course offered at the Psychiatric Hospital Out-Patient Department. The members of the Division's supervisory staff attended as well as seven nurses from municipal agencies.

The opening of Woodeden Camp near London by the Ontario Society for Crippled Children was a valuable addition to the facilities for children with orthopaedic conditions.

During the year three bulletins were prepared and sent out to the public health nurses of the Province.

The Canadian Public Health Association Annual Convention, the Biennial Convention of the Canadian Nurses Association and the Annual Meeting of the Registered Nurses Association of Ontario were held in Toronto. The Ontario Educational Association meetings were held as usual during Easter week; members of the staff contributed papers at two of these sessions.

A conference for the Senior Nurses in the County School Health Services was arranged in Easter week and was participated in by the supervisory staff. Assistance was given in arranging for and carrying through two conferences—the Health Unit Directors and Supervisors of Public Health Nursing.

The Division was honoured by visits from the following: Miss Borghild Kessell, Public Health Supervisor, Municipality of Oslo, Norway; Miss Agnes Rimestad, Director of Nursing Service, The Municipal Hospital, Oslo, Norway; Miss Aslaug Holmgren, Oslo, Norway; Miss Eli Magnussen, Copenhagen, Denmark; Miss Venny Snellman, Helsinki, Finland; Dr. W. G. Wickremesinghe, Department of Medical and Sanitary Services, Colombo, Ceylon; Dr. S. E. Ferreira, Assistant Director, Medical Services, Kingston, Jamaica; Miss Fernanda Alves Diniz, Lisbon, Portugal; Miss Esther M. Hirst, Nursing Representative, Rockefeller Foundation, Peru; Mrs. Jano Deen, Ceylon; Miss Rose B. Dolan, American Relief for France, Pennsylvania, U.S.A.; Dr. W. B. Turbott, New Zealand Department of Health; Miss D. M. Riches, Director of Nursing, Queen's University, Kingston, Ontario; Miss Ruby Tinkiss, Nursing Specialist, Division of Maternal and Child Hygiene, Department of National Health and Welfare, Ottawa; Miss Dorothy E. Tate, Director of Public Health Nursing, British Columbia Department of Health; Miss Jean S. Clark, Superintendent, Public Health Nursing, Alberta Department of Public Health; Miss Elizabeth Smith, Director of Nursing Services, Saskatchewan Department of Public Health; Miss Margaret E. Hart, Manitoba Department of Health.



## DIVISION OF SANITARY ENGINEERING

A. E. BERRY, M.A.Sc., C.E., Ph.D., *Director*

The annual report of the Division of Sanitary Engineering for the year 1946 records the first full year of post-war activity. The year has been distinguished by a great shortage in materials and labour, but in spite of this much planning and preliminary activities have proceeded for sanitary projects. The year has opened the way to what may be expected to bring greater environmental sanitation and the widespread use of public utilities to create better and more comfortable living conditions. It is anticipated that this work will be carried on with increased vigour in the next few years.

Water and sewage works programmes were active during the year and time has been spent in assisting municipalities to advance their projects and to secure votes of the ratepayers. Gratifying results were obtained, and in all instances where votes were held on either water works or sewerage, endorsement was given. The general activities of the Division were carried on in the same manner as previously, but with extension to other fields, particularly to food sanitation. These activities consisted of the supervision of public water supplies, sewage treatment plants, examination of plans and specifications for new works or extensions, supervision over all milk processing plants, inspection and licensing of summer camps, supervision over recreational facilities, licensing of frosted food locker plants, administration of the cemetery regulations, and, in general, supervision over and assistance in sanitation throughout the province.

*Water Works Programmes:*

There has been a great renewal of activity in the water works field and during the year 202 certificates of approval were issued for new water works or for extensions to existing plants. The total estimated cost of these works was \$5,516,258.32. This is in comparison with a total of \$3,229,829.55 for the year 1945. The marked rise in activities is well shown by these figures. It is to be noted that the cost of water works installations has increased sharply since the close of the war, and while this accounts to some extent for the greater expenditure it is not the major factor. It is apparent at this time that very small municipalities are desirous of installing water works. Previously, these installations have been made usually before the population reached 1,000. Now it is obvious that this figure will be materially lowered and will more likely approach 500. This is in spite of the increased cost for this utility over pre-war days. Fortunately, however, the interest rate has been quite low and most centres have been able to secure rates of 3% or less.

The amount of actual construction work carried on during the year in water works was not as great as might be desired, but the main point was the manner in which new systems were planned and extensions arranged for others. During this interval mandatory orders were issued by the Department for water works in the following places: Lucan, Chapleau Township, Sioux Lookout, Teck Township, Tilbury, Tisdale Township and Whitney Township. In addition to these, authorization was given either by vote or by other means for the construction of water works in the following places: Delhi, Hearst, Merrickville, Brigden, Madoc, Kemptville, Whitney Township, Teeswater, Paisley, Caledonia and Hagersville.

The construction of new water works systems and extension of old ones will continue rapidly. It is apparent that there is still a large number of places in



which these activities are necessary and in which there is a very considerable interest at this time. High contract prices, combined with scarcity of material and labour, have delayed this work, but it is anticipated that progress will go forward in the near future.

Supervision over the operation of water treatment plants has continued as in the past, with regular inspections being made by members of the staff. Laboratory examinations, both bacteriological and chemical, have been made in the laboratory of the Division at Richmond Street. An increasing number of routine samples has been submitted to the provincial laboratories from the Health Units where full-time personnel has made it possible to secure more frequent sampling than was feasible in the past. There is thus an increasing check over the quality of public water supplies in this province. Taste control has also been a feature, and every assistance has been given to the operators of plants where objectionable tastes have been experienced.

#### *Public Sewerage Systems:*

Progress of a like degree has been made in extensions to sewerage systems, and there is public interest to a greater extent in this even than in water works. Conditions were not conducive to a great deal of work on construction, but much planning has been carried out.

During the year certificates of approval were issued to the number of 248 and the estimated expenditure involved was \$6,198,446.96. This is in comparison with a total figure of \$4,346,003.30 for the year 1945. There is thus a sharp increase in the work going forward in this field. It is apparent that efforts are being made to meet two outstanding needs in this field, namely the provision of sewerage systems for the smaller centres, and secondly, the construction of sewage treatment plants where these have not been available in the past. These two requirements have been outstanding for a number of years but it was not possible during the depression and the war years to construct sewer systems or sewage treatment plants. Unfortunately many of the existing treatment plants built some years ago are overloaded because of increases in population and industrial wastes. It is anticipated that as supplies become available much of this work will be carried on and a very distinct improvement made in stream sanitation throughout the province.

During the year sewerage systems were initiated in Clinton, Picton, and Streetsville. At the same time systems were planned and endorsed in the following municipalities: Delhi, Hearst, Ingersoll, Kemptville, Madoc, Paris, Listowel, and Sioux Lookout. These works will be proceeded with at an early date. In this same period the Department issued mandatory orders for sewerage systems in the following places: Picton, Sioux Lookout, Teck Township, Tisdale Township and Whitney Township. Some centres have been unable to proceed with construction because of lack of interest by contractors, or by very high prices.

Further attention has been possible during the year to control the operation of sewage treatment plants. Difficulties have increased through overloading. It must be recognized that these plants should be operated to best efficiency if their construction and operation is to be justified. No attempt has been made as yet to give training to the operators other than that which takes place from field inspections. Direction, in the future, will continue towards the most effective operation of these units and protection of the streams receiving these effluents.

*Milk Sanitation:*

Supervision of milk pasteurization plants has continued as in previous years with certification and periodic inspections. At the end of 1946 there were 692 such plants in operation.

Conditions have improved somewhat in the field of milk sanitation in that more assistance is available for production and for operation of processing plants. There has been less tendency for staff turnover and many of the trained men that were away during the war have returned to their former posts. There is still a need for some definite programme of instruction for these operators.

Inspections of pasteurization plants made by officials of this Division during the year amounted to 886 as compared with 861 inspections for the year 1945. In this work 720 samples were collected, and 143 farm inspections were made as special requests in order to assist local municipalities. It has been all too apparent that the number of inspections of these plants has been much too low, and has resulted from an inadequate number on the staff. As more men become available it is hoped to exercise closer supervision.

The extension of the areas under total pasteurization was increased during the year by an Order-in-Council which took effect on July 23rd. It is now estimated that approximately 99% of all milk sold for fluid consumption in the province is pasteurized. The legislation in this regard came into effect in 1938 and the procedure has been to gradually increase the areas under the legislation as far as it was possible to make pasteurized milk available. The removal of restrictions on transportation has greatly assisted this programme, hampered during the war years. It is now obvious that practically all parts of the province that can at present be served by pasteurized milk have been brought within the scope of this legislation. No illness has been traceable to any milk supply during the year, and it must be recognized that pasteurization is playing a vital part in protection of the citizens of the province as well as visitors from without.

*Stream Sanitation:*

The year 1946 has brought renewed activity in stream sanitation throughout the province. Every effort is being made to reduce pollution in watercourses of the province. This will require time for completion, especially since it has not been feasible to build sewage treatment plants as rapidly as might be hoped.

At present, there are some watercourses which require special consideration. These include the Grand River, the Thames River, the Old Welland Canal Area, and others. All of these require large expenditures and considerable time for complete correction. Progress has been made during the year, and it is expected this work will be continued as rapidly as conditions permit.

*Refuse Collection and Disposal:*

Increasing interest has been manifested in the municipalities for public collection of refuse. This service can be carried on without undue expenditure and it is popular with the ratepayers. Incineration and refuse dumps continue to be the methods by which the refuse is disposed. There are now 30 municipalities with incinerators in operation in the province, these being located at Brockville, Chatham, Deloro, East York Township, Etobicoke Township, Flos Township, Forest Hill, Fort Frances, Fort William, Galt, Hamilton, Iroquois Falls, Kapuskasing, Kenora, Kingston, Kitchener, London, Niagara Falls, North York Township, Peterborough, Port Arthur, St. Catharines, St. Thomas, Sarnia, Sault Ste. Marie, Scarborough Township, Smooth Rock Falls, Toronto, Weston and Windsor. Other centres are expected to develop their programmes during the ensuing years. The method of disposal of these wastes will be either by

incineration or by a newer procedure using sanitary fill with regular covering by earth or other material. An amendment to The Municipal Act at the 1946 session of the Legislature has changed the conditions under which an urban municipality may dispose of its refuse in an adjacent community. Land for this purpose can now only be secured on the consent of the adjacent municipal council.

### *Food Sanitation:*

The programme of food sanitation initiated during the previous year has been continued and expanded in 1946. Dr. G. A. Edge has been appointed officer-in-charge of Food Sanitation for the Division and he has been assisted by Dr. F. Rushton. Surveys in this respect have been continued and assistance rendered to local Boards of Health. This activity has been directed towards restaurants, slaughter houses, canning factories, bakeries, and all places where food is handled or processed. A certain amount of assistance has been rendered to local municipalities in the supervision of milk production.

Regulations dealing with frosted food locker plants were passed under date of June 25th, 1946. These regulations require licensing, by the Department, of all locker plants throughout the province. Inspections have been made by personnel of the Division and at the end of 1946 320 licenses had been issued and 374 inspections made. These inspections revealed that practically all plants in the province were defective in some respects and many showed wide variations from the requirements of the new regulations. Shortage of material has interfered with the completion of these changes but very considerable progress has been made during the year. At present there is a widespread interest in the construction of locker plants, and it is apparent that before this demand is satisfied there will be a large number of plants in operation. It has become apparent to the people of the province that locker plants furnish a very good means of food preservation and one which can be utilized at a very moderate cost.

In addition to the regulations for frosted food locker plants, standards for eating establishments in the province have been completed. At present there is no authority to pass these as regulations, but they have been prepared for the purpose of suggesting a standard to be incorporated in municipal by-laws or to be accepted for the inspection of all eating establishments. In this way there is an attempt to secure a more uniform standard throughout the province.

Surveys have been continued in canning factories, and these involve chicken canning plants, as well as plants which are canning other products. It has become apparent that the majority of these are not under Dominion supervision and are subject to no special regulations or supervision. There is an obvious need for some regulatory authority with a definite standard of operation. When the problem is more widely studied it is hoped to draw up standards for these as well as for slaughter houses and other activities in the food control field.

### *Recreational Sanitation:*

The year's activity in recreational sanitation has been directed chiefly to the inspection and licensing of summer camps, to supervision over farm service force camps, and to supervision over recreation areas in Muskoka and Lake of Bays. The limited staff available has hampered the carrying on of inspections as rapidly as would be desired. There has been an increase in summer camps and other recreational activities and, at the same time, there has been an improvement in sanitation.

As in the previous year, a sanitary engineer was stationed at Gravenhurst during the summer season where he was available to deal with the supervision



of sanitation throughout the Muskoka and Lake-of-Bays regions. He has given special attention to water supplies, sewage disposal, food supplies, swimming, and all problems of sanitation in these resort areas. In this way it has been possible to deal with complaints and to take care of problems promptly as they arise.

Attention has been directed to farm service force camps in a manner similar to that of the preceding year and 43 inspections were made by officials of this Division. These camps are now better established than previously, and less difficulty has been experienced in their maintenance.

During the year the Department of Travel and Publicity was given legislation to supervise recreational facilities. They will thus take over the control of tourist camps and similar facilities offered to the travelling public, with the intention of licensing all these places. There will be co-operation between the two Departments in the maintenance of sanitary conditions in these places.

#### *Boundary Water Survey:*

During the year authorization was given to a survey of the boundary waters between United States and Canada, and involving the St. Clair River, Lake St. Clair, Detroit River and St. Marys River. A number of meetings have been held, both with the International Joint Commission and with members of the Board of Technical Advisors.

In the first meeting with the International Joint Commission held at Montreal, the Commission appointed a Board of Technical Advisors of eight persons, including two from the two Federal Governments, two from the State of Michigan and two from the Province of Ontario. The personnel selected for this Board were as follows:

For United States—J. K. Hoskins and M. LeBosquet.  
For Michigan—J. M. Hepler and L. F. Oeming.  
For Canada—G. H. Ferguson and W. R. Edmonds.  
For Ontario—A. E. Berry and A. V. DeLaporte.

Attention has been directed to a survey of the waters from Sarnia to the outlet of the Detroit River. A large number of samples have been taken, and while this project will involve considerable time for completion, the work was well under way at the end of 1946. Special emphasis has been given in this survey to industrial wastes and their effect on the use of the water for domestic purposes and for recreation. The first survey authorized was from Sarnia to the outlet of the Detroit River, but later, authorization was given for a survey of the St. Mary's River. Only a small amount of work was possible on the latter during 1946.

In this project the Province of Ontario is responsible for the laboratory investigations and analyses, both at the Experimental Station and field laboratories at the site. This work is a major problem and will require a good deal of effort.

#### *Nuisances and Complaints:*

As in previous years, the staff of the Division has been called upon to deal with many complaints regarding nuisances and annoyances. These requests number about 200 a year. Many of them come from local Boards of Health and Health Units, while others are made by persons who have grievances. They involve a wide variety of conditions, and while a portion of them are related to public health, many of them are inconveniences only, and might well be handled by other than public health agencies. Unfortunately, it is not feasible to deter-

mine this until investigations have been completed. Every effort is made by the Division to give assistance in the solution of these problems and to assist the public in general in overcoming conditions which are in the field of nuisances.

#### *Typhoid Fever Statistics:*

The typhoid fever statistics of the province for the year 1946 were 84 cases and 5 deaths, giving a death rate of 0.1 for the entire province. This figure continues to be exceedingly low and indicates effective control measures in the field of sanitation.

#### *Cemeteries:*

The supervision over cemeteries has continued as in the previous year. This work involves examination of plans submitted for extensions of existing cemeteries or the establishment of new burying grounds. It also requires the examination of plans, rules, charges, etc., for cemeteries that are in operation. A large number of plans are received each year, and while the number of cemeteries in the province is not yet known it is apparent that they reach a very high figure. The suggested set of rules of the Department have been used as a guidance for preparation of local rules.

Difficulties have been experienced during the year in the operation of cemeteries in that increased costs have resulted from higher labour charges, and the difficulty of securing adequate personnel for this work. The Department has seen fit to grant approval for increased charges at a number of cemeteries throughout the province.

#### *Laboratory Examinations:*

During the year the laboratory at Richmond Street examined 2,039 bacteriological water samples and 565 chemical samples, as well as 502 such samples for Boundary Water Survey. The analyses for sewage included 78 bacterial tests and 976 chemical tests, together with 893 tests for Boundary Water Survey. The figures for bacteriological examinations on milk were 899 and 790 phosphatase tests. Sanitary surveys were made in two centres and the number of field inspections for the year included 344 for water, 217 for sewage, 528 for camps, 1,041 for milk, and 946 for general activities, making a total of 3,076.

During the year it has been possible to increase the staff slightly, and facilities have been made available for giving post-graduate training for new members of the staff. An attempt is now being made to provide these training facilities for all new members of the staff. There is a need for a substantial increase in personnel, following which it will be possible to reorganize the activities of the Division and to provide more effective service.

Appended is a summary of the certificates issued during the year in respect to waterworks and sewerage systems.



CERTIFICATES ISSUED RE: WATERMAIN EXTENSIONS,  
PURIFICATION, ETC., FOR THE YEAR 1946

MUNICIPALITY	Number of Certificates	Watermain Extensions	Supply and Purification	New Systems
Amherstburg.....	1	\$ 1,180.00		
Ancaster Township.....	1	5,452.84		
Arnprior.....	3	4,358.72		
Aurora.....	1	12,500.00		
Barton Township.....	3	17,687.86		
Bertie Township.....	3	80,922.40		
Blandford Township.....	2	2,782.00		
Bolton.....	1	7,000.00		
Bradford.....	1	5,500.00		
Brighton.....	1	8,169.84		
Chapleau.....	1	12,000.00		
Chatham.....	4	6,308.00		
Chatham Township.....	1	11,860.00		
Cochrane.....	2	1,774.00	128,000.00	
Cornwall.....	2	14,351.00		
Crowland Township.....	2	10,791.52		
Crystal Beach.....	1	1,597.20		
Easthope North Township.....	1	9,068.00		
Elmira.....	1	25,000.00		
Etobicoke Township.....	5	215,269.17		
(Police Village of Thistletown).....				50,000.00
Fonthill.....	1	1,446.88		
Forest Hill.....	1	12,275.00		
Galt.....	2	20,642.62		
Geraldton.....	1	53,000.00		
Grantham Township.....	3	72,276.50		
Grimsby North Township.....	1	15,351.46		
Hamilton.....	10	96,679.00		
Hearst.....	1			88,000.00
Hess Township (unorganized), Cartier Townsite.....	1		73,200.00	
Huntsville.....	1	7,100.00		
Kenora.....	1	12,150.85		
Kingston.....	4	203,652.94		
Kitchener.....	3	12,737.60		
Leaside.....	2	73,043.00		
London Township.....	7	56,723.13		
Long Branch.....	3	8,610.00		
Lucan.....	1			100,000.00
Merrickville.....	1			110,700.00
Moore Township (Police V. of Brigden).....	1			44,643.00
Morrisburg.....	1	2,085.00		
Nelson Township.....	1	4,850.58		
Nepean Township.....	1	18,530.00		
Nipigon Township.....	1			29,000.00
North Bay.....	2	7,493.95		
Oil Springs.....	1			46,500.00
Ottawa.....	5	94,360.00		
Pembroke.....	2	16,474.10		
Penetanguishene.....	1	16,000.00		
Port Arthur.....	1	42,244.00		
Port Credit.....	1	1,798.00		
Port Hope.....	2	14,550.00		
Rainy River.....	1	6,913.00		
Rockcliffe Park.....	1	5,376.00		
St. Thomas.....	1	7,620.44		
Sandwich East Township.....	2	7,966.00		
Sandwich South Township.....	1	3,007.00		
Sandwich West Township.....	1	39,864.39		
Sarawak Township.....	1	17,842.00		
Sarnia Township.....	6	34,645.76		
Sarnia.....	1	210,000.00		
Scarborough Township.....	4	46,768.79	87,300.00	
Sioux Lookout.....	1			117,000.00

CERTIFICATES ISSUED RE: WATERMAIN EXTENSIONS,  
PURIFICATION, ETC., FOR THE YEAR 1946—Continued

MUNICIPALITY	Number of Certificates	Watermain Extensions	Supply and Purification	New Systems
Stamford Township.....	4	41,482.64		
Stoney Creek.....	3	10,555.53		
Sudbury.....	3	10,856.44		
Swansea.....	2	6,410.00		
Teck Township.....	1	38,973.72		
Teeswater.....	1			72,000.00
Thorold Township.....	2	21,165.50		
Tilbury.....	2	6,634.00	50,000.00	
Timmins.....	2	70,841.17		
Tisdale Township.....	5	51,334.63	366,000.00	
Toronto.....	8	1,022,218.33		
Toronto Township.....	4	195,771.50		
Vaughan Township.....	1	20,760.00		
Waterloo.....	1	3,370.00		
Waterloo Township.....	1	15,405.00		
Watford.....	1	645.84		
Welland.....	1	14,950.07		
Westminster Township.....	3	5,020.00		
Weston.....	2	23,830.00		
Wheatley.....	1		82,435.00	
Whitby.....	1	60,000.00		
Whitby East Township.....	2	41,363.41		
Whitney Township.....	2	14,851.25		139,000.00
Widdifield Township.....	1	34,105.50		
Woodbridge.....	1	45,000.00		
Yarmouth Township.....	1	23,140.00		
York Township.....	5	35,849.00		
York East Township.....	6	79,576.00		
York North Township.....	14	340,719.25		
Total.....	202	\$3,932,480.32	\$ 786,935.00	\$ 796,843.00

## CERTIFICATES ISSUED RE SEWERAGE FOR THE YEAR 1946

MUNICIPALITY	Number of Certificates	Sewer Extensions	Disposal	New Systems
Amherstburg.....	1	\$ 1,002.00		
Anderdon Township.....	1	1,424.00		
Arnprior.....	3	5,403.15		
Aylmer.....	2	4,580.00		
Barrie.....	1	26,371.46		
Beamsville.....	1	5,500.00		
Belleville.....	6	28,056.40		
Brampton.....	1	2,938.00		
Brockville.....	3	49,485.00		
Chatham.....	5	47,530.00		
Chesley.....	1	1,065.00		
Cochrane.....	3	15,000.00		
Cornwall.....	2	12,485.00		
Cornwall Township.....	3	6,286.70		
Crowland Township.....	2	23,212.94		
Crystal Beach.....	1	2,499.20		
Dryden.....	1	34,375.00		
Dundas.....	1	11,934.70		
Elmira.....	1	2,597.00		
Etobicoke Township.....	6	436,234.78		
Forest Hill.....	2	459,950.00		
Fort Frances.....	1	6,298.35		
Fort William.....	3	117,696.00		
Galt.....	2	25,174.24		
Goderich.....	2	1,471.67		
Gravenhurst.....	1	18,350.00		
Hamilton.....	11	399,982.59		
Hearst.....	1			\$ 88,000.00
Hespeler.....	2	739.00		
Kemptville.....	1			109,000.00
Kingston.....	5	97,381.00		
Kitchener.....	9	71,824.21		
Leamington.....	1	24,338.00		
Leaside.....	3	111,855.00		
Lindsay.....	2	7,732.19		
London.....	11	218,662.64		
Long Branch.....	1	1,095.00		
Merrickville.....	1			139,500.00
Morrisburg.....	2	4,715.00		
Napanee.....	1	27,409.96		
Nepean Township.....	1	24,740.00		
Newmarket.....	1	33,350.00		
New Toronto.....	1	1,300.00		
Niagara.....	1	3,000.00		
North Bay.....	2	15,739.67		
Oakville.....	1	20,850.00		
Ottawa.....	7	18,707.00		
Palmerston.....	1	7,877.79		
Paris.....	1			360,000.00
Pembroke.....	3	21,666.85		
Peterborough.....	15	189,758.46		
Pictou.....	1			450,000.00
Port Arthur.....	1	51,511.76		
Port Colborne.....	2	18,560.46		
Port Credit.....	1	15,672.50		
Port Hope.....	2	3,990.69		
Preston.....	2	4,652.00		
Rainy River.....	1	2,789.00		
Renfrew.....	2	8,973.80		
Richmond Hill.....	1			125,000.00
Rockcliffe Park.....	1	22,318.69		
St. Catharines.....	5	47,929.00		
St. Thomas.....	2	58,481.00		

## CERTIFICATES ISSUED RE SEWERAGE FOR THE YEAR 1946—Continued

MUNICIPALITY	Number of Certificates	Sewer Extensions	Disposal	New Systems
Sarnia.....	4	182,989.40		
(Dow Chemical Co.).....	..	.....	\$ 25,000.00	.....
Sault Ste. Marie.....	1	20,047.00		
Scarborough Township.....	3	30,697.46		
Sioux Lookout.....	1	.....		113,000.00
Stamford Township.....	3	24,141.98		
Stoney Creek.....	1	5,330.00		
Stratford.....	2	52,621.09		
Strathroy.....	1	.....		200,000.00
Streetsville.....	1	.....		80,000.00
Sudbury.....	3	237,591.00		
Teck Township.....	1	32,820.62		
Tilbury.....	1	6,848.00		
Timmins.....	3	44,898.41		
Tisdale Township.....	5	52,850.89		
Toronto.....	17	286,920.00		
Wallaceburg.....	1	67,000.00		
Waterloo.....	2	17,337.00		
Westminster Township.....	4	8,835.00		
Weston.....	8	119,755.00		
Whitney Township.....	1	.....		17,000.00
Woodstock.....	2	21,422.50		
York Township.....	7	113,342.00		
York East Township.....	7	207,464.00		
York North Township.....	7	74,511.76		
Total.....	248	\$4,491,946.96	\$ 25,000.00	\$1,681,500.00

## SUMMARY

Re WATERWORKS:	Estimated Cost
Extensions to existing systems.....	\$3,932,480.32
Purification of water supplies.....	786,935.00
New systems.....	796,843.00
Total.....	\$5,516,258.32
Re SEWERAGE:	
Extensions to existing systems.....	\$4,491,946.96
Treatment works.....	25,000.00
New sewerage systems.....	1,681,500.00
Total.....	\$6,198,446.96

The total number of applications favourably reported upon re water works and sewerage for the year was 451 and involves an estimated expenditure of.....\$11,714,705.28

## DIVISION OF TUBERCULOSIS PREVENTION

G. C. BRINK, M.B., *Director*

This report, the first for a full year since the close of the war, is gratifying in some respects and disappointing in others. The diagnostic facilities have been markedly increased, but the acute shortage of sanatorium beds and trained personnel is handicapping progress.

It is being recognized more and more that tuberculosis is both a social and an economic problem and that its control must include the combined efforts of all strata of society. In order that anti-tuberculosis work be co-ordinated and directed into the proper channels, leadership by official and voluntary agencies is essential. Given proper guidance the public will co-operate exceedingly well. This is demonstrated by the interest and willingness of all classes to assist in a planned programme, and by the fact that the funds from the sale of Christmas Seals, raised with the definite object of providing a more adequate diagnostic programme, have shown a marked increase throughout the province. Many local anti-tuberculosis committees doubled their previous revenues from this source. The citizens of the communities where surveys have already been held have given unstintingly of their time and effort; in some of the largest centres the house to house canvassers being numbered in the hundreds. The Press and Radio have also been most generous in their support. In addition to mass survey work sponsored by local committees, some thirty-five periodic chest clinics have been organized by the staff of the Division and have already proven their worth by providing diagnostic facilities, never before available, to residents and physicians. The charge for the X-Ray films taken at these clinics is also met from the Seal Sale funds.

It is gratifying to report that in 1946 over twice as many people were given X-Ray films of the lungs as in any previous year. Approximately 450,000 people were examined by mass surveys, either of the community type or those covering special groups in industry. The sanatorium extension clinics examined some 70,000 and the travelling departmental clinics, 14,000. Well over half a million persons were screened for tuberculosis of the lungs in Ontario in 1946.

The tuberculosis mortality rate has steadily decreased in Ontario during the past twenty years in spite of the fact that the population in recent years has increased to a greater extent than that of any other province.

The increased diagnostic programme has resulted in a shortage of sanatorium beds, made more acute by the fact that no new sanatorium construction has taken place since 1938, with the exception of forty-seven additional beds at Niagara Peninsula Sanatorium, which will be opened when staff is obtained. Approximately 200 beds in other sanatoria were unoccupied at the end of the year because of lack of staff. The loss by fire of the Department of Veterans Affairs 250 bed sanatorium at Peterborough in December has further accentuated the shortage.

During 1946 reciprocal agreements, similar to those already in effect with the provinces of Quebec and Saskatchewan, were signed with the provinces of British Columbia, Manitoba and Alberta, for the payment of sanatorium maintenance of their respective patients who have not established residence in the province in which treatment is being given. This is a forward step and obviates



delay in bringing patients under treatment and eliminates controversy as to responsibility for treatment.

Our records show that tuberculous infection is still a hazard among hospital personnel. In 1946, forth-three nurses developed tuberculosis—a larger number than in any year since 1936, when such records were first compiled. It is hoped that tuberculosis among hospital and sanatorium employees will be classified as a compensable disease in 1947. Legislation which provides compensation for those contracting tuberculosis in the course of their duties is both progressive and just, but does not in itself lessen the danger of infection to hospital employees. This can only be done by the screening of all patients entering hospitals by photofluorography or ordinary X-Ray methods, and applying necessary precautions when it is discovered that a patient has pulmonary tuberculosis. This procedure, now utilized in many hospitals in the United States, reduces the danger to personnel by uncovering many previously unknown cases of active pulmonary tuberculosis. Statistics show that the incidence of active tuberculosis is higher among hospital patients than in the population as a whole.

Rehabilitation of the tuberculous patient in Ontario has lagged behind that in some of the other provinces. A committee has been appointed by the Ontario Tuberculosis Association to make a study of the situation and it is expected a comprehensive report will be available in 1947. In some of the sanatoria educational facilities have been well organized, but there has remained a lack of guidance and supervision after the patient leaves the sanatorium. The necessity of returning to unsuitable work often results in a re-activation of the disease and a return to sanatorium for further treatment. There is some doubt as to whether a rehabilitation programme should be under the jurisdiction of the Department of Health, Welfare, or Education. It would seem that all three Departments should be represented in a concerted effort to further the lot of the discharged patient.

The need for some form of financial assistance (apart from relief) for families represented by tuberculosis, is very evident. Mothers' Allowances are a great help to many families, but are not in themselves sufficient for all necessities of life. Families in which there are no children under 16 years of age experience many hardships.

There are still many defects and weaknesses in the tuberculosis control programme in Ontario. One is the difficulty experienced in securing adequate X-Ray facilities in some clinics operated under the auspices of the local Departments of Health. The same holds true for obtaining chest films on some patients examined by private physicians. Until free X-Ray films are made available to all patients attending hospital clinics the effort to prevent tuberculosis will be seriously hampered.

It is difficult to defend the policy of insisting on contacts presenting themselves for examination and then demanding that they pay a fee for the necessary X-Ray service. Some supposedly free clinics still require an admission fee. Until this abuse is corrected hospitals cannot fulfil their function as an integral part of an adequate control programme.

The Division wishes to acknowledge the co-operation of the officials of the Ontario Tuberculosis Association and the many Seal Sale Committees throughout the province, the assistance given by the various health units and local Departments of Health, the Mothers' Allowance Commission, the staffs and directors of sanatoria, and of the other Divisions in the Department.

Doctors J. S. Hazen, F. J. Milner and A. Forsberg were demobilized from the Armed Services, but only Dr. Forsberg rejoined the staff of the Division.

## PART I

## A

REPORT OF THE WORK DONE BY THE DEPARTMENT'S  
TRAVELLING CHEST CLINICS

With the expansion of the Ontario Tuberculosis Association it has been found possible to set up periodic chest clinics in various centres within the areas served by the Travelling Chest Clinics. Relatively small but frequent clinics are held under the auspices of the Seal Sale Committees, in the local hospitals, the films being sent for reading to the nearest Travelling Clinic headquarters, or to the nearest sanatorium.

This has not affected the volume of work handled by the clinics as yet, but will lead to a considerable increase in the number of clinic examinations in the future.

*Toronto Unit*—2 clinics in 2 centres.

Only two clinics were held, viz., Oshawa and Brampton, the latter conducted under the auspices of the local Seal Sale Committee.

*Ottawa Unit*—43 clinics in 16 centres.

This unit was normally staffed and conducted its regular clinics as well as assisting in the follow-up clinics for mass surveys in that area.

Ottawa, 12 clinics; Pembroke, 10 clinics (under local auspices); Almonte (2); Arnprior, Bourget, Carleton Place (2); Casselman, Eganville, Hawkesbury (2); Kemptville, Perth, Plantagenet (2); Prescott, Renfrew (3); Rockland, Smiths Falls (2).

*Belleville Unit*—31 clinics in 14 centres.

This unit was normally staffed and conducted its regular clinics as well as assisting in nine-follow-up clinics for mass surveys in that area.

Belleville, 12 clinics; Bancroft, Bowmanville (3); Campbellford, Cobourg (3); Haliburton, Havelock, Lakefield, Marmora, Napanee, Peterborough (3); Picton, Stirling, Tweed.

*Timmins Unit*—20 clinics in 8 centres.

This unit was normally staffed but its visits to outside centres were curtailed by the fact that the staff was engaged for several weeks on a mass survey of Timmins.

Timmins, 12 clinics; Cochrane, Englehart, Hearst, Iroquois Falls, Kapuskasing, Smooth Rock Falls.

*Fort William Unit*

This unit was closed due to lack of staff, no clinics being held in North-western Ontario.

An arrangement was made, however, to have chest films taken at the local hospitals, as indicated, and forwarded to Fort William Sanatorium for interpretation. This has resulted in many persons receiving chest films who would otherwise have had to wait until the clinic was re-opened.

*North Bay Unit*—39 clinics in 20 centres.

This unit has continued to operate, staffed by our X-Ray technician only, the films being interpreted in the Central Office. The volume of work done by the clinic itself fell off somewhat in 1946 due to the fact that the technician assisted in the survey held in North Bay as well as taking the films for the follow-up clinics for all surveys in his area.

North Bay, 12 clinics; Batchawana, Blind River, Burk's Falls, Chapleau (2); Espanola, Gore Bay, Goulais Mission, Huntsville, Little Current, Massey,

Mattawa (3); Manitowaning, Manitoulin Island (follow-up from mass survey), Mindemoya, Richard's Landing, Sault Ste. Marie (3); Spanish, Sturgeon Falls (2); Sudbury (2); Thessalon.

The Division wishes to acknowledge assistance given by the Division of Public Health Nursing in supplying nurses to assist in several of these clinics.

TABLE I  
SUMMARY OF THE WORK OF THE DEPARTMENT'S  
TRAVELLING CHEST CLINICS

	Examina- tions	Toronto	Ottawa	Belle- ville	Timmins	Fort William	North Bay	Totals
1. Pulmonary Tuberculosis.....	First Repeat	22 49	53 378	112 553	77 367	....	112 325	376 1672— 2048
(a) Active.....	First Repeat	2 3	27 49	30 36	12 26	....	47 31	118 145— 263
Inactive.....	First Repeat	20 46	26 329	82 517	65 341		65 294	258 1527— 1785
(b) Newly Discovered.....	First Repeat	4 1	34 10	49 9	14 8		77 18	178 46— 224
Already Known.....	First Repeat	18 48	19 368	63 544	63 359		35 307	198 1626— 1824
(c) Childhood Infection (Primary)	First Repeat	0 1	3 11	4 12	4 14		3 16	14 54— 68
Minimal.....	First Repeat	11 27	18 211	68 319	44 145		62 148	203 850— 1053
Moderately Advanced.....	First Repeat	9 18	22 143	27 169	18 148		32 139	108 617— 725
Far Advanced.....	First Repeat	2 3	8 13	13 53	10 60		15 22	48 151— 199
2. Pleurisy with Effusion.....	First Repeat	0 0	4 2	4 2	1 1		3 1	12 6— 18
3. Extra Pulmonary Tuberculosis....	First Repeat	0 0	0 0	1 2	0 5		0 1	1 8— 9
4. Suspected Tuberculosis.....	First Repeat	1 0	6 6	9 13	9 10		7 11	32 40— 72
5. Non-Tuberculous Disease.....	First Repeat	5 5	34 75	185 123	46 53		18 18	288 274— 562
6. No Disease.....	First Repeat	184 63	1180 1271	3014 1086	1117 631		1530 829	7025 3880—10905
7. Recommended for Sanatorium....	First Repeat	0 0	23 21	31 33	11 18		32 23	97 95— 192
8. Number Individuals Examined...		329	2664	4585	2131		2760	12469—12469
9. Pneumothorax Refills.....		0	15	890	716		0	1621— 1621
10. Totals.....	First Repeat	212 117	1276 1732	3325 1779	1249 1066		1670 1185	7732 5879—13611
11. Total Number Examinations.....		329	3008	5104	2315		2855	13611

NOT IN OPERATION

TABLE II  
SUMMARY OF CLINIC FINDINGS  
1942-1946

Year	Number of Examinations	Number of Examinations of Persons with Tuberculosis (Active and Inactive; First and Repeat Examinations)
1942.....	12,845	2,119—17%
1943.....	15,593	2,130—14%
1944.....	13,815	2,255—17%
1945.....	15,454	2,625—17%
1946.....	13,611	2,048—15%

### SUMMARY OF NEWLY DISCOVERED CASES—TOTAL 224

1. 224 new cases of tuberculosis were found.
2. 178, or 79.4%, were found on first examination and 46, or 20.6%, on repeat examination.
3. 81, or 36.1%, gave a history of contact with tuberculosis; 143, or 63.9%, gave no history of contact.
4. 100, or 44.6%, were males; 124, or 55.4%, were females.
5. 139, or 62.0%, were classed as active; 85, or 38.0%, were classed as inactive.
6. Of the 81 giving a history of contact, 36, or 44.4%, were referred because of contact only and with no symptoms referable to the chest.
- \*7. 105, or 46.8%, were recommended for sanatorium; of these 30, or 28.5%, did not realize they were ill and were classified as follows:

Minimal.....	20
Moderately Advanced.....	5
Far Advanced.....	4
Pleurisy with Effusion.....	1

---

30

\*Not all the 139 active cases were recommended for sanatorium, some being of the primary type far advanced terminal cases, or under adequate care at home.



TABLE III

RELATION OF NUMBER OF NEW CASES OF TUBERCULOSIS FOUND TO  
NUMBER OF CONTACTS EXAMINED FOR THE FIRST TIME

Age Groups	Number Contacts Examined for First Time	Number Cases of Tuberculosis Discovered (Primary Infection Type not included)	Percentage of Contacts Examined Showing Disease %	Number cases of Active Tuberculosis Discovered (Primary Infection Type not included)	Percentage Contacts Examined Showing Active Disease
0 to 4	216	0	...	0	...
5 to 9	262	1	.4	1	.4
10 to 14	222	0	...	0	...
15 to 19	294	6	2.0	5	1.7
20 to 24	362	4	1.1	3	.8
25 to 29	343	6	1.7	5	1.4
30 to 39	474	8	1.7	4	.8
40 to 49	280	5	1.8	2	.7
50 to 59	153	10	6.5	5	3.2
60 to 69	98	3	3.0	1	.1
70 and over	27	1	.4	1	.4
Totals	2,731	44	1.6	27	1.0

It is interesting to note the 50-59 age group gave the highest percentage of active cases among contacts examined for the first time.

TABLE IV

COMPARISON OF NUMBER OF NEW CASES OF TUBERCULOSIS FOUND IN  
RELATION TO NUMBER OF CONTACTS EXAMINED FOR FIRST TIME  
1942-1946

Year	Number Contacts Examined	Number Cases Tuberculosis Disease Discovered	Percentage of Number Contacts Examined	Number Cases of Active Tuberculosis Disease	Percentage %
1942.....	2,503	102	4.0	68	2.7
1943.....	4,007	144	3.6	63	1.5
1944.....	2,832	52	1.8	23	.8
1945.....	3,103	43	1.3	27	.8
1946.....	2,731	44	1.6	27	1.0



TABLE V  
CLASSIFICATION OF NEWLY DISCOVERED CASES  
(Active and Inactive)

Classification	Number	Percentage of Total %	Percentage of Number with Reinfection (Adult) Type of Disease %
Pulmonary Tuberculosis—			
Childhood (Primary Infection).....	18	8.0	....
Minimal.....	117	52.2	60.3
Moderately Advanced.....	44	19.7	22.7
Far Advanced.....	33	14.8	17.0
Pleurisy with Effusion.....	10	4.4	....
Extra Pulmonary.....	2	.9	....
TOTALS.....	224	100.0	100.0

Although the percentage of newly discovered cases in the minimal group is high, it would not appear so large if only active cases were included.

TABLE VI  
SUMMARY OF NEWLY DISCOVERED CASES  
1942-1946

	Number of Newly Discovered Cases of Tuberculosis	Percentage of Total %	Average Percentage %
Minimal—1942.....	217	63	61
1943.....	222	64	
1944.....	127	55	
1945.....	124	62	
1946.....	117	60	
Moderately Advanced—1942.....	71	20	24
1943.....	84	24	
1944.....	71	30	
1945.....	50	25	
1946.....	44	23	
Far Advanced—1942.....	55	17	15
1943.....	41	12	
1944.....	36	15	
1945.....	26	13	
1946.....	33	17	

### SUMMARY OF CASES RECOMMENDED FOR SANATORIUM TOTAL 192

1. 192 persons were recommended for sanatorium.
2. 87, or 45.3%, were males; 105, or 54.7%, were females.
3. 97, or 50.5%, were recommended on first examination; 95, or 49.5%, on repeat examination.

4. 74, or 38.5%, did not realize they were ill, as follows:

Childhood (Primary Infection).....	0
Minimal.....	36
Moderately Advanced.....	26
Far Advanced.....	11
Pleurisy with Effusion.....	1

74

The number recommended for sanatorium on first and repeat examinations was practically the same, indicating the need for repeated check-up of contacts and of those persons with known disease.

There were 235 patients with active disease but 43 were not advised sanatorium treatment because of various factors:

- (1) The involvement was primary.
- (2) The case was terminal.
- (3) Adequate care being given at home and no sanatorium beds available.

TABLE VII  
CLASSIFICATION OF CASES RECOMMENDED FOR SANATORIUM

Classification	Number	Percentage of Total %	Percentage of Number with Re-infection (Adult) Type of Disease %
Pulmonary Tuberculosis:			
Childhood (Primary Infection).....	2	1.0	....
Minimal.....	57	29.7	32.4
Moderately Advanced.....	62	32.3	35.2
Far Advanced.....	57	29.7	32.4
Extra Pulmonary Tuberculosis.....	3	1.6	....
Pleurisy with Effusion.....	10	5.2	....
Suspects.....	1	.5	....
Totals.....	192	100.0	100.0

TABLE VIII  
SUMMARY OF CASES RECOMMENDED FOR SANATORIUM  
1942-1946

	Number Recommended for Sanatorium	Percentage of Total %	Average Percentage %
Minimal—1942.....	87	35	32
1943.....	82	34	
1944.....	53	26	
1945.....	67	33	
1946.....	57	33	
Moderately Advanced—1942.....	93	37	40
1943.....	94	39	
1944.....	101	48	
1945.....	82	41	
1946.....	62	35	
Far Advanced—1942.....	73	28	28
1943.....	62	27	
1944.....	53	26	
1945.....	54	26	
1946.....	57	33	

TABLE IX  
SUMMARY OF CASES RECOMMENDED FOR SANATORIUM—1946  
DEPARTMENT'S TRAVELLING CLINICS

Clinic	Number Recom- mended	Number Admitted	Percentage Admitted %	Average Interval in Days before Admission	Number Who Refused Treatment	Number Treated at Home	Number Treated in Hospital	Number Who Died at Home	Number Awaiting a Bed	No Informa- tion as to Reason for Non- Admission
Toronto....	0	..	..	..	..	..	..	..	..	..
Ottawa.....	44	28	63.6	40	9	3	1	0	1	2
Belleville...	64	48	75.0	38	1	11	1	3	0	0
Timmins...	29	20	68.9	35	4	1	0	1	2	1
North Bay..	55	39	70.9	23	12	1	0	1	2	0
Totals....	192	135	70.3	34	26	16	2	5	5	3

TABLE X  
CLASSIFICATION (on last examination) OF PERSONS WHO HAD RECEIVED SANATORIUM TREATMENT—TOTAL 1,088

Age Groups	Sex	No Tuberculous Disease	Childhood (Primary Infection)		Minimal		Moderately Advanced		Far Advanced		Extra Pulmonary		Pleurisy with Effusion	Thickened Pleura	Bronchitis	Lung Abscess	Pneumonia	Sili-cosis	Fungus Infection
			Ac-tive	Inac-tive	Ac-tive	Inac-tive	Ac-tive	Inac-tive	Ac-tive	Inac-tive	Ac-tive	Inac-tive							
0 to 4	M	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 to 9	M	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
	F	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10 to 14	M	3	..	..	1	2	..	1	..	..	..	..	..	..	..	..	..	..	..
	F	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
15 to 19	M	4	..	..	..	4	..	..	..	4	..	..	..	..	..	..	..	..	..
	F	5	..	1	2	15	..	13	2	1	..	1	..	1	..	..	..	..	..
20 to 24	M	3	..	..	..	21	3	23	2	5	..	..	..	..	..	..	..	..	..
	F	10	1	..	..	45	2	34	1	13	..	..	..	..	..	..	..	1	..
25 to 29	M	4	..	..	1	26	..	24	1	6	..	..	..	..	..	..	..	..	..
	F	9	..	1	..	51	3	41	4	8	..	..	..	..	..	..	..	..	..
30 to 39	M	7	..	..	3	48	6	76	..	14	1	1	..	..	..	..	..	..	..
	F	18	..	..	1	80	3	81	..	21	..	..	..	2	1	1	..	..	..
40 to 49	M	1	..	..	2	26	2	49	..	17	..	..	..	..	..	1	..	..	..
	F	4	..	..	1	25	2	36	2	2	..	..	..	1	..	..	..	..	..
50 to 59	M	..	..	..	..	18	3	28	4	8	..	..	..	..	..	..	1	..	..
	F	2	..	..	..	5	1	18	..	4	..	..	..	..	..	..	..	..	..
60 to 69	M	..	..	..	..	9	2	5	1	6	..	1	..	..	..	..	2	..	..
	F	..	..	..	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..
70 and over	M	..	..	..	..	3	..	5	..	..	..	..	..	..	..	..	..	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals		77	2	1	11	383	27	441	18	109	1	2	1	4	1	2	2	2	2

## COMMENTS ON TABLE X

- 1,088 persons who had received treatment in sanatorium attended the clinics.
- 501, or 46.0%, were males; 587, or 54.0%, were females.
- In 77, or 7.1%, the disease by X-Ray had cleared or become so well healed that it was not considered a factor at the time of examination.
- In the 993 with pulmonary tuberculous disease still evident, 58, or 5.8%, were considered to be active and in need of further treatment; 935, or 94.2%, were considered to have inactive disease.
- This Table illustrates the value of follow-up examinations of ex-patients of sanatoria.

TABLE XI

## CLASSIFICATION OF NON-TUBERCULOUS CHEST CONDITIONS

(Excluding Pleurisy)

Classification	First Examination	Repeat Examination	Total Examinations
Pneumonia.....	101	43	144
Abnormal Heart or Aortic Shadows.....	56	20	76
Silicosis or Dust Inhalation.....	12	37	49
Bronchiectasis.....	8	27	35
New Growth (provisional diagnosis).....	11	19	30
Chronic Bronchitis.....	9	15	24
Lung Fibrosis.....	4	14	18
Bronchial Asthma.....	6	10	16
Spontaneous Pneumothorax.....	5	4	9
Cyst of Lung.....	2	3	5
Lung Abscess.....	1	4	5
Fungus Infection.....	1	3	4
Atelectasis.....	2	2	4
Hodgkin's Disease.....	1	2	3
Diaphragmatic Hernia.....	2	0	2
Empyema (non-tuberculous).....	0	1	1
Aortic Aneurysm.....	1	0	1
Sarcoidosis.....	1	0	1
Subdiaphragmatic Abscess.....	1	0	1
Substernal Goitre.....	1	0	1
Mediastinal Adenopathy.....	0	1	1
Non-tuberculous Infection.....	10	11	21
Totals.....	235	216	451

## CLINIC WORK AMONG TREATY INDIANS

Examinations were carried out as follows:

- (a) Surveys of Indian Schools..... 251  
 (b) Referred to Clinics in various centres... 181

432

TABLE XII

## RESULT OF CLINIC EXAMINATIONS OF TREATY INDIANS

	Number	Percentage
Cases of Active Tuberculosis.....	15	3.5
Cases of Inactive Tuberculosis.....	30	6.9
Newly Discovered Cases of Tuberculosis.....	5	1.1
Cases Recommended for Sanatorium.....	10	2.3



TABLE XIII

COMPARISON OF TRAVELLING CLINIC FINDINGS AMONG WHITE AND INDIANS  
1942-1946

Year	Number of Examinations		Number of Cases of Active Tuberculosis		Percentage of Total Number Examined	
	Whites	Indians	Whites	Indians	Whites	Indians
1942.....	11,769	1,076	259	63	2.2	5.8
1943.....	13,419	2,174	248	81	1.8	3.7
1944.....	12,644	1,171	262	26	2.1	2.2
1945.....	14,545	909	270	23	1.8	2.5
1946.....	13,179	432	248	15	1.8	3.4

TABLE XIV

COMPARISON OF NUMBER OF WHITES AND INDIANS DYING OF  
PULMONARY TUBERCULOSIS TREATED IN SANATORIUM  
1941-1945

Year	Number Deaths Pulmonary Tuberculosis		Number Treated in Sanatorium		Percentage Treated in Sanatorium	
	Whites	Indians	Whites	Indians	Whites	Indians
1941.....	841	99	669	34	79.5	34.3
1942.....	865	73	683	27	78.9	36.9
1943.....	857	89	696	43	81.7	48.3
1944.....	800	90	655	56	81.8	62.2
1945.....	766	85	647	42	84.8	49.4

TABLE XV  
THE AVERAGE COST OF DISCOVERING A CASE OF TUBERCULOUS  
DISEASE ON FIRST EXAMINATION

(Based on an average cost of 3.65 per clinic examination)

Age Groups	Number of First Examinations	Total Cost of Examinations	Number of Cases Tuberculous Disease Discovered	Average Cost per Case	Number of Cases Discovered Requiring Sanatorium Treatment	Average Cost of Discovering a Case Requiring Sanatorium Treatment
0 to 4	344	1,255.60	3	418.53	3	418.53
5 to 9	665	2,427.25	7	346.75	5	485.45
10 to 14	640	2,336.00	3	778.66	3	778.66
15 to 19	858	3,131.70	13	240.90	13	240.90
20 to 24	961	3,507.65	15	233.84	14	250.54
25 to 29	898	3,277.70	19	172.51	12	273.14
30 to 39	1,352	4,934.80	31	159.18	18	274.15
40 to 49	924	3,372.60	25	134.90	14	240.90
50 to 59	604	2,204.60	36	61.23	14	157.47
60 to 69	349	1,273.85	18	70.76	4	318.46
70 & over	127	463.55	9	51.50	6	77.25
Totals	7,732	28,221.80	179	157.60	106	266.24

This table does not give the true picture of the value of the service given, in that the discovery of cases with inactive disease is of real value and many other significant non-tuberculous conditions are discovered. This also applies to Table XVI.

TABLE XVI  
THE AVERAGE COST OF DISCOVERING A CASE OF TUBERCULOUS  
DISEASE ON REPEAT EXAMINATION

(Based on an average cost of 3.65 per clinic examination)

Number of repeat examinations.....	5,879
Cost of this service.....	\$21,458.35
Number of new cases of tuberculosis discovered.....	46
Average cost per case.....	466.48
*Number cases recommended for sanatorium.....	95
Average cost per case.....	\$225.85

\*Some of these were known cases who had become reactivated.

#### MISCELLANEOUS

1. 4,200 chest films were interpreted in the Central Office for various agencies—the Civil Service Health Centre, public hospitals and private physicians.
2. 1,075 films were taken in the Central Office—492 on provincial civil servants; 208 on persons referred by private physicians; 168 on persons referred by staff physicians; 92 on employees in industry; 60 on teachers or teachers-in-training; 39 on ex-patients of sanatoria receiving post-sanatorium care; 7 on students of the University of Toronto; 4 on employees of hospitals having no X-Ray facilities; 4 on school students and one on a person in receipt of Mothers' Allowances for tuberculosis.

## B

REPORT OF MASS X-RAY SURVEYS CONDUCTED BY THE  
DIVISION OF TUBERCULOSIS PREVENTION  
ONTARIO DEPARTMENT OF HEALTH  
1946

Mass survey operations of the Division of Tuberculosis Prevention were greatly expanded during 1946 as compared to previous years; 301,324 individuals received miniature X-Ray films of the lungs, over three times as many as in 1945. A total of 86 surveys was conducted, 77 of these being along community lines. In the latter, 289,540 persons of grade or primary school age and over were examined.

The balance consisted of the following:

- (1) Students of the Universities of Western Ontario, McMaster and Queens, the Ontario Agricultural College and the Normal School, Toronto.
- (2) Staff and prisoners of the Ontario Reformatory, Guelph.
- (3) Treaty Indians. In co-operation with the Indian Medical Services, Department of National Health and Welfare, surveys were held at two Reserves. In addition Indians were included in nine other community surveys.

Credit must be given to the various local tuberculosis committees for their valuable contribution in making their community surveys a success. They assumed not only the responsibility for the local organization of the surveys but also the community financial obligation which was paid for out of Christmas Seal funds. Many hundreds of volunteer workers also gave unstintingly of their time as canvassers and clerical assistants.

A total of 1,004 cases of tuberculosis (active and inactive), including pleurisy with effusion or .33 per cent of the number examined, was reported, 211 or .07 per cent being active and in need of treatment. These figures are lower than those for previous years and can be attributed to the negligible findings among some 80,000 primary or grade school children examined. In view of this, the Division has decided to exclude school children up to the 8th grade unless a specific reason is present. This does not apply to Indian children.

An analysis of the active cases of tuberculosis shows that 160 or 76 per cent were newly discovered. Of these 79 or 49.4 per cent occurred in the minimal stage. It is of interest to note the considerable number of active cases found in individuals over 40 years of age, viz., 81 or 38.4 per cent. In this group the males predominated in the ratio of two to one.

CENTERS WHERE MASS X-RAY SURVEYS WERE  
CONDUCTED—1946

ALGOMA	BRUCE	DUFFERIN
Blind River	Chesley	Honeywood
Sault Ste. Marie	Kincardine	Orangeville
	Lion's Head	Shelbourne
	Ripley	
	Walkerton	DUNDAS
BRANT	Warton	Hallville
Brantford		
Burford	COCHRANE	DURHAM
Paris	Schumacher	Bowmanville
St. George	South Porcupine	Hampton
Six Nations Reserve	Timmins	Port Hope

CENTRES WHERE MASS X-RAY SURVEYS WERE  
CONDUCTED—1946—Continued

GLENGARRY Alexandria Dalkeith	MIDDLESEX Caradoc Indian Reserve	STORMONT Cornwall Crysler Finch
GREY Durham Markdale Owen Sound Hanover	NIPISSING Mattawa North Bay Sturgeon Falls	SUDBURY Sudbury
GRENVILLE Prescott Spencerville	NORFOLK Delhi Port Dover	VICTORIA Fenelon Falls Lindsay
HALIBURTON Haliburton	NORTHUMBERLAND Campbellford Cobourg	WATERLOO Kitchener
HASTINGS Madoc Marmora Tweed	ONTARIO Oshawa Port Perry	WELLINGTON Bellwood Fergus Harriston Palmerston Elora
LANARK Carleton Place Perth Almonte	PEEL Brampton Port Credit	ONTARIO REFORMATORY Guelph
LEEDS Athens Brockville Gananoque	PETERBOROUGH Peterborough	UNIVERSITIES Western Ontario McMaster Queen's Agricultural College
LENNOX & ADDINGTON Napanee	RENFREW Deep River Eganville Beachburg Pembroke Renfrew	NORMAL SCHOOL Toronto

TABLE XVII

## MASS X-RAY SURVEYS—1946

1. Total number X-rayed . . . . .		301,324
2. No evidence of disease or abnormality . . . . .	296,363	98.35%
3. Pulmonary tuberculosis (active and inactive) . . . . .	999	.33%
4. Extra-pulmonary tuberculosis . . . . .	1	
5. Pleurisy with effusion . . . . .	4	.001%
6. Pulmonary tuberculosis suspects . . . . .	43	.01%
7. Other abnormal chest conditions . . . . .	3,914	1.29%

## 8. CLASSIFICATION OF PULMONARY TUBERCULOSIS

	Active	Activity Questionable	Inactive	Total
Minimal.....	94	53	462	609
Moderately advanced.....	81	19	214	314
Far advanced.....	31	1	44	76
Totals.....	206	73	720	999

## 9. Active Tuberculosis:

Pulmonary.....	206
Extra-pulmonary (spine).....	1
Pleurisy with effusion.....	4

211—.07% of total number X-rayed

10. PERCENTAGE OF CLASSIFICATION OF ACTIVE TUBERCULOSIS CASES IN  
RELATION TO TOTAL NUMBER OF ACTIVE CASES

Pulmonary:	Number	Percentage
Minimal.....	94	44.5%
Moderately advance.....	81	38.4%
Far advanced.....	31	14.7%
Extra pulmonary (spine).....	1	.5%
Pleurisy with effusion.....	4	1.9%
Total.....	211	100.0%



TABLE XVIII  
SUMMARY ACCORDING TO COUNTIES AND DISTRICTS

County or District	Number of Centres	Number X-rayed	Pulmonary Tuberculosis										Pleurisy with Effusion	Total Tuberculosis		Active Tuberculosis		Non-tuberculous conditions
			Suspects	Minimal			Moderately Advanced			Far Advanced				Number	% Number examined	Number	% Number examined	
				Active	Act. Ques.	In-active	Active	Act. Ques.	In-active	Active	Act. Ques.	In-active						
Algoma.....	2	13,125	1	4	5	25	3	2	20	2	..	2	1	64	.49	10	.07	219
Brant.....	7	13,721	1	7	4	17	6	..	8	2	..	..	..	44	.32	15	.11	227
Bruce.....	6	12,705	3	1	..	16	5	2	7	1	..	..	..	32	.25	7	.05	148
Cochrane.....	3	11,001	..	5	3	17	10	..	19	1	..	4	1	60	.54	17	.15	134
Dufferin.....	3	7,284	..	5	1	6	1	..	3	1	..	..	1 (spine)	18	.24	8	.10	96
Dundas.....	1	945	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
Durham.....	3	9,222	..	3	1	17	1	1	2	..	..	..	..	25	.27	4	.04	126
Glengarry....	2	3,453	..	..	2	10	1	1	2	..	..	1	..	17	.49	1	.03	54
Grey.....	4	15,583	1	6	6	20	5	1	6	5	..	3	..	52	.33	16	.10	232
Grenville.....	2	3,500	..	1	1	8	1	..	2	..	..	2	..	15	.43	2	.06	59
Haliburton...	1	2,655	..	..	..	4	1	..	..	..	..	..	..	5	.18	1	.03	20
Hastings.....	3	2,905	1	1	2	..	..	..	2	..	1	..	..	6	.20	1	.03	50
Lanark.....	3	8,869	..	2	1	14	2	1	7	..	..	..	..	27	.30	4	.04	153
Total.....	40	104,968	7	35	26	154	36	8	78	12	1	12	3	365	...	86	...	1,532

TABLE XVIII—Continued  
SUMMARY ACCORDING TO COUNTIES AND DISTRICTS

County or District	Num-ber of Centres	Num-ber X-rayed	Pulmonary Tuberculosis										Pleur-isy with Effu-sion	Total Tuberculosis		Active Tuberculosis		Non-tuber-culous condi-tions
			Sus-pects	Minimal			Moderately Advanced			Far Advanced				Num-ber	% Num-ber exam-ined	Num-ber	% Num-ber exam-ined	
				Ac-tive	Act. Ques.	In-active	Ac-tive	Act. Ques.	In-active	Ac-tive	Act. Ques.	In-active						
Carried Forward....	40	104,968	7	35	26	154	36	8	78	12	1	12	3	365	.....	86	...	1,532
Leeds.....	3	13,759	1	3	1	38	3	1	3	2	..	3	1	55	.40	9	.06	173
Lennox and Addington...	1	2,314	..	..	..	11	..	1	3	..	..	1	..	16	.69	...	...	27
Manitoulin...	5	5,494	4	3	3	14	1	..	8	2	..	2	..	33	.60	6	.10	97
Middlesex....	1	534	1	1	2	2	1	..	1	1	..	..	..	8	1.40	3	.56	27
Nipissing.....	3	14,922	3	3	3	9	2	..	8	3	..	3	..	31	.20	8	.05	166
Norfolk.....	2	3,175	..	1	..	7	..	..	1	..	..	1	..	10	.26	1	.02	55
Northumber-land.....	2	9,384	2	2	..	25	..	..	4	2	..	1	..	34	.36	4	.04	127
Ontario.....	2	22,220	6	9	5	30	8	2	22	..	..	1	..	77	.34	17	.07	316
Peel.....	2	10,152	1	3	..	13	1	1	3	..	..	1	..	22	.21	4	.03	140
Peterborough.	1	1,977	..	..	..	4	..	..	1	1	..	2	..	8	.40	1	.05	20
Renfrew.....	5	13,398	1	2	1	16	3	..	9	2	..	..	..	33	.24	7	.05	132
Stormont.....	3	16,024	6	7	1	41	9	2	13	1	..	1	1	76	.47	18	.11	225
Total.....	70	218,861	32	69	42	364	64	15	154	26	1	28	5	768	...	164	...	3,037

TABLE XVIII—Continued  
SUMMARY ACCORDING TO COUNTIES AND DISTRICTS

County or District	Num-ber of Centres	Num-ber X-rayed	Pulmonary Tuberculosis												Pleur-isy with Effu-sion	Total Tuberculosis		Active Tuberculosis		Non-tuber-culous condi-tions
			Sus-pects	Minimal			Moderately Advanced			Far Advanced			Num-ber	% Num-ber exam-ined		Num-ber	% Num-ber exam-ined			
				Ac-tive	Act. Ques. active	In-active	Ac-tive	Act. Ques. active	In-active	Ac-tive	Act. Ques. active	In-active								
Carried Forward....	70	218,861	32	69	42	364	64	15	154	26	1	28	5	768	...	164	...	3,037		
Sudbury.....	1	31,227	5	12	2	36	8	2	47	2	..	9	..	118	.37	22	.07	288		
Victoria.....	2	8,320	2	4	..	13	1	..	..	1	..	..	..	19	.22	6	.07	109		
Waterloo.....	1	25,011	2	5	4	30	6	1	8	1	..	3	..	58	.23	12	.04	325		
Wellington....	5	9,515	1	2	2	7	1	..	2	1	..	1	..	16	.16	4	.04	88		
Ontario Re-formatory..	1	1,991	1	2		6	1	..	..	..	..	1	..	10	.50	3	.15	15		
Universities...	5	6,399	..	..	3	6	..	1	3	..	..	2	..	15	.23	...	...	52		
Total.....	85	301,324	43	94	58	462	81	19	214	31	1	44	*5	1,004	.33	211	.07	3,914		

\*Pleurisy with effusion—4.

Active tuberculosis of the cervical spine—1.

TABLE XIX  
INDIANS  
SUMMARY ACCORDING TO DISTRICTS OR RESERVES

County or District	Num-ber of Cen-tries	Num-ber X-rayed	Pulmonary Tuberculosis										Pleur-isy with Effu-sion	Total Tuberculosis		Active Tuberculosis		Non-tuber-culous condi-tions	
			Sus-pects	Minimal			Moderately Advanced			Far Advanced				Num-ber	% Num-ber exam-ined	Num-ber	% Num-ber exam-ined		
				Ac-tive	Act. Ques. active	In-active	Ac-tive	Act. Ques. active	In-active	Ac-tive	Act. Ques. active	In-active							
Caradoc.....	..	534	1	1	2	2	1	..	1	..	1	..	..	8	1.4	3	.56	27	
Manitoulin Island.....	..	1,356	3	3	3	6	1	..	3	..	2	..	..	18	1.3	6	.44	38	
Six Nations...	..	1,249	..	2	1	2	..	..	..	..	2	..	..	7	.56	4	.32	24	
Sturgeon Falls.	..	183	..	..	..	2	..	..	..	..	..	..	..	2	1.00	...	...	8	
Sault Ste. Marie.....	..	210	..	3	..	1	1	1	1	..	..	..	..	7	3.3	4	1.90	4	
Blind River...	..	140	..	..	..	..	..	..	..	..	..	..	..	...	...	...	...	5	
Alderville.....	..	58	..	..	..	..	..	..	..	..	..	..	..	...	...	...	...	5	
Port Perry....	..	50	..	..	..	..	1	..	..	..	..	..	..	1	...	1	...	2	
Total.....	..	3,780	4	9	6	13	4	1	5	5	..	..	..	43	1.2	18	.47	113	

TABLE XX

## CLASSIFICATION OF ACTIVE CASES OF TUBERCULOSIS ACCORDING TO SEX

	Number	Percent
Male.....	102	48.34%
Female.....	109	52.66%
TOTAL.....	211	100%

## COMPARISON OF NEWLY DISCOVERED AND PREVIOUSLY KNOWN CASES OF ACTIVE TUBERCULOSIS

	Number	Percent
Newly discovered.....	160	76%
Previously known.....	51	24%
TOTAL.....	211	100%

## CLASSIFICATION OF NEWLY DISCOVERED CASES OF ACTIVE TUBERCULOSIS

	Number	Percent
Pulmonary:		
Minimal.....	79	49.4%
Moderately advanced.....	54	33.8%
Far advanced.....	22	13.7%
Pleurisy with effusion.....	4	2.5%
Extra pulmonary (Spine).....	1	.6%
TOTAL.....	160	100.0%

TABLE XXI

## CLASSIFICATION OF ACTIVE CASES OF TUBERCULOSIS ACCORDING TO AGE AND SEX

Age	Sex	Number	Per cent of Total Active Cases	
0 to 4.....	M	1	.47	.95
	F	1	.47	
5 to 9.....	M	2	.95	1.42
	F	1	.47	
10 to 14.....	M	2	.95	1.90
	F	2	.95	
15 to 19.....	M	10	4.74	11.84
	F	15	7.10	
20 to 24.....	M	11	5.21	13.74
	F	18	8.53	
25 to 29.....	M	7	3.31	12.31
	F	19	9.00	
30 to 39.....	M	14	6.63	19.43
	F	27	12.80	
40 to 49.....	M	14	6.63	16.11
	F	20	9.48	
50 to 59.....	M	16	7.58	9.00
	F	3	1.42	
60 to 69.....	M	18	8.53	9.00
	F	1	.47	
70 and over.....	M	7	3.31	4.26
	F	2	.95	
Total.....		211	100.00	100.00



TABLE XXII

## OTHER ABNORMAL THORACIC CONDITIONS FOUND AND REPORTED

Healed pleurisy.....	838
Healed primary infection.....	581
Non-tuberculous shadowing.....	575
Apical scarring.....	316
Accentuated lung markings.....	666
Abnormal heart.....	383
Hilar and mediastinal abnormalities.....	135
Pneumonia (atypical).....	109
Probable healed fungus infection.....	27
Silicosis.....	27
Evidence of dust inhalation.....	20
Pulmonary fibrosis.....	13
Bronchiectasis.....	22
Enlarged thyroid.....	43
Atelectasis.....	9
Abnormal elevation of the diaphragm.....	90
Diaphragmatic hernia.....	7
Probable cyst.....	10
Probable new growth.....	19
Mediastinal tumor.....	5
Hodgkins disease.....	1
Undiagnosed.....	18
Total.....	3,914

TABLE XXIII

## MASS X-RAY SURVEYS—1942 to 1946 INCLUSIVE

1. Total number X-rayed.....			605,845
2. No evidence of disease or abnormality.....	590,689	— 97.51%	
3. Pulmonary tuberculosis (active and inactive).....	4,216	— .69%	
4. Pleurisy with effusion.....	11	— .002%	
5. Extra-pulmonary tuberculosis (active).....	3	—	
6. Other abnormal chest conditions.....	10,926	— 1.78%	

## 7. CLASSIFICATION OF PULMONARY TUBERCULOSIS

	Active	Activity Questionable	Inactive	Total
Minimal.....	327	283	2,384	2,994
Moderately advanced.....	252	102	661	1,015
Far advanced.....	92	10	105	207
Totals.....	671	395	3,150	4,216

## 8. Active cases of Tuberculosis..... 685

Pulmonary	Number	Percentage
Minimal.....	327	47.8%
Moderately advanced.....	252	36.8%
Far advanced.....	92	13.4%
Extra Pulmonary.....	3	.4%
Pleurisy with Effusion.....	11	1.6%
Total.....	685	100%

## 9. NUMBER OF CASES OF PULMONARY TUBERCULOSIS PER THOUSAND PERSONS X-RAYED

Active	Questionably Active	Inactive	Total
1.1	.6	5.2	6.9

TABLE XXIV  
SUMMARY OF CLINIC EXAMINATIONS—SANATORIUM EXTENSIONS AND MUNICIPAL CHEST CLINICS—1946

TORONTO CLINICS											SANATORIUM EXTENSION CLINICS											Totals
Christie Street Hospital	Hospital for Sick children	St. Michael's Hospital	St. Joseph's Hospital	Women's College Hospital	Toronto General Hospital	Toronto Western Hospital	Gage Institute	Brantford	Cornwall	Fort William	Gravenhurst	Halleybury	Hamilton	Kingston	Kitchener	London	Ottawa	St. Catharines	Windsor	Windsor City Clinic	Hamilton City Clinic	
FIRST EXAMINATION:																						
Active.....	4	0	0	0	0	0	15	1	7	8	7	4	3	1	16	7	5	7	2		1	
1. Primary Infection (childhood) Inactive.....	3	0	0	0	0	1	78	36	7	55	2	21	4	7	24	12	3	4	55		26	
Active.....	26	2	2	0	1	3	52	9	7	15	13	1	4	0	7	14	3	21	6		6	
2. Minimal Inactive.....	106	0	7	0	0	9	18	451	49	27	45	34	3	3	8	52	39	50	79	21	44	
Active.....	16	0	8	1	0	11	5	71	2	17	14	17	1	7	3	19	15	14	33	6	13	
3. Moderately Advanced Inactive.....	8	0	42	8	0	22	15	135	11	14	3	11	0	1	13	14	12	14	21	2	13	
Active.....	18	0	16	0	2	2	44	1	6	7	4	2	4	4	5	9	19	11	28	5	4	
4. Far Advanced Inactive.....	24	0	7	2	0	10	3	12	1	5	2	1	0	0	5	2	13	1	6	0	20	
Active.....	0	19	1	0	0	1	1	0	1	4	0	0	4	1	3	25	0	10	2	0		
5. Extra-Pulmonary Inactive.....	0	15	3	4	0	6	3	3	0	1	0	5	0	3	1	4	7	2	2	2	8	
With Effusion.....	123	3	9	2	0	3	1	23	5	2	14	7	2	3	1	10	19	8	16	1	7	
6. Pleurisy Previous Pleurisy.....	13	2	1	0	0	4	0	80	15	16	0	13	6	0	0	33	3	5	0	8	0	
7. Suspects.....	48	20	15	11	0	17	1	215	12	41	19	13	23	0	22	6	0	9	47	37	5	
8. Non-tuberculous chest conditions.....	509	87	61	14	13	68	35	548	20	22	112	48	5	89	33	201	480	29	N/S	182	25	
9. Undiagnosed.....	0	45	12	2	27	0	14	21	4	11	28	33	0	0	0	2	12	5	N/S	0	11	
10. No tuberculous disease.....	938	2	127	30	7	5	41	6131	603	406	1013	545	152	573	431	1410	836	108	N/S	751	1914	
11. Total First Examinations.....	1836	195	311	74	50	161	146	7880	770	603	1335	753	220	698	531	1807	1511	267	5421	1072	2097	

TABLE XXIV—Continued  
SUMMARY OF CLINIC EXAMINATIONS—SANATORIUM EXTENSION AND MUNICIPAL CHEST CLINICS—1946

TORONTO CLINICS												SANATORIUM EXTENSION CLINICS											
Christie Street Hospital	Hospital for Sick Children	St. Michael's Hospital	St. Joseph's Hospital	Women's College Hospital	Toronto General Hospital	Toronto Western Hospital	Gage Institute	Brantford	Cornwall	Fort William	Gravenhurst	Halleybury	Hamilton	Kingston	Kitchener	London	Ottawa	St. Catharines	Windsor	Windsor City Clinic	Hamilton City Clinic	Totals	
II. REPEAT EXAMINATIONS:																							
1. Active.....																							
Pulmonary tuberculosis.....																							
Inactive.....																							
2. Active.....																							
Extra-pulmonary tuberculosis.....																							
Inactive.....																							
3. Non-tuberculous chest conditions.....																							
4. Suspects.....																							
5. Undiagnosed.....																							
6. No tuberculous disease.....																							
7. Total number re-examinations.....																							
8. Total number individuals re-examined.....																							
III. TOTAL NUMBER EXAMINATIONS.....																							
IV. NEWLY DISCOVERED CASES OF TUBERCULOSIS:																							
1. Active.....																							
First Examination.....																							
Inactive.....																							
2. Repeat Examination.....																							
3. TOTAL.....																							

TABLE XXV  
CLASSIFICATION OF NEWLY DISCOVERED CASES OF TUBERCULOSIS FOUND AT SANATORIUM EXTENSION AND MUNICIPAL CLINICS—1946

	TORONTO CLINICS							SANATORIUM CLINICS																
	Women's College Hospital	St. Michael's Hospital	Toronto Western Hospital	Toronto General Hospital	St. Joseph's Hospital	Hospital for Sick Children	Gage Institute	Brantford	Cornwall	Fort William	Gravenhurst	Hall'sbury	Hamilton	Kingston	Kitchener	London	Ottawa	St. Catharines	Windsor	Windsor Municipal Clinics	Hamilton City Clinic	Totals		
Childhood (Primary Infection)	Active.....	0	0	0	0	0	9	3	7	8	7	4	3	1	7	7	5	7	2	No Report Received			1	71
	Inactive.....	0	0	1	0	0	72	36	8	55	2	21	4	7	16	13	1	4	55				26	321
MINIMAL	Active.....	1	2	5	3	0	54	13	14	15	16	1	6	1	6	13	3	19	6				11	190
	Inactive.....	0	1	0	2	0	374	49	27	45	34	3	3	6	31	13	38	71	21				44	762
MODERATELY ADVANCED	Active.....	0	5	5	5	1	63	3	22	14	20	1	7	3	9	10	12	31	4				26	241
	Inactive.....	0	2	0	2	0	69	11	14	3	11	0	1	2	4	2	4	5	4				13	147
FAR ADVANCED	Active.....	2	12	2	0	0	39	1	6	7	4	2	4	4	7	16	10	23	5				7	151
	Inactive.....	0	0	0	0	0	2	1	5	2	1	0	0	0	0	0	0	0	0				20	31
NON PULMONARY TUBERCULOSIS (Including Pleurisy)	Active.....	0	6	1	2	0	13	3	6	10	5	2	6	2	12	28	3	20	3				1	134
	Inactive.....	0	5	2	0	4	91	18	7	6	20	6	4	0	9	1	2	6	10				14	211

## SUMMARY OF CLINIC EXAMINATIONS IN ONTARIO, 1946

1.	Department's Travelling Chest Clinics.....	13,611
2.	Mass Surveys:	
	(a) Conducted by Division of Tuberculosis Prevention.....	301,324
	(b) Conducted by Division of Industrial Hygiene.....	13,141
	(c) Mass Surveys (Gage Institute).....	135,000
3.	Municipal and Sanatorium Extension Clinics.....	73,175
	Total.....	536,251

## PART II

RECORD OF TUBERCULIN TESTING AND X-RAYING OF GRADUATE  
AND NON-GRADUATE NURSES IN PUBLIC AND RED CROSS  
HOSPITALS, HOSPITALS FOR INCURABLES AND  
SANATORIA

TABLE XXVI

	INSTITUTIONS REPORTING	Number Re- ported	Number Tuber- culin Reactors	Per- centage Tuber- culin Reactors	Number X- rayed	Number Previously Known Cases of Tubercu- lous Disease	Number Newly Discovered Cases of Tubercu- lous Disease	Percentage of Total with Newly Discovered Tubercu- lous Disease %
GRADUATES	Public and Red Cross Hospitals	4,476	2,020	45.1	3,180	1	6	.13
	Hospitals for Incurables	146	50	34.2	112	..	1	.69
	Sanatoria	635	443	69.6	576	32	1	.15
	Totals	5,257	2,513	47.8	3,868	33	8	.15
NON-GRADUATES	Public and Red Cross Hospitals	5,400	2,183	40.4	2,957	1	29	.53
	Hospitals for Incurables	350	88	25.1	210	..	1	.32
	Sanatoria	420	354	84.2	340	47	5	1.19
	Totals	6,170	2,625	42.8	3,507	48	35	.56



TABLE XXVII

	Year	Number of Nurses Reported upon	Number of Newly Discovered cases of Tuberculosis	Number of Newly Discovered cases of Tuberculosis in need of Treatment	Percentage of Total with New Disease %
GRADUATES	1942	4,290	9	8	.21
	1943	4,753	9	8	.19
	1944	4,535	4	4	.09
	1945	4,966	7	7	.14
	1946	5,257	8	8	.15
NON-RADUATES	1942	5,762	18	18	.31
	1943	5,703	14	14	.24
	1944	6,165	21	21	.34
	1945	6,388	26	25	.40
	1946	6,170	35	35	.56

## GRADUATE NURSES

### 1. NEWLY DISCOVERED TUBERCULOUS DISEASE:

- 7 Minimal, active..... (a) Five entered sanatorium  
(b) Two treated in hospital  
1. Moderately advanced, active..... Entered sanatorium  
All of the 8 newly discovered cases of tuberculosis required treatment.

## 2. PREVIOUSLY KNOWN:

- |  |                  |
|--|------------------|
| 16 Minimal, inactive.....  | Remained on duty |
| 8 Moderately advanced, inactive.....                                   | Remained on duty |
| 9 Far advanced, inactive.....  | Remained on duty |
| None of the previously known cases of tuberculosis became reactivated. |                  |

## NON-GRADUATE NURSES

### 1. NEWLY DISCOVERED TUBERCULOUS DISEASE:

- |  |                                 |
|--|---------------------------------|
| 6 Pleurisy with effusion.....  | (a) Two entered sanatorium      |
|  | (b) Two treated in hospital     |
|  | (c) Two treated at home         |
| 3 Primary infection.....   | (a) Two entered sanatorium      |
|  | (b) One treated at home         |
| 19 Minimal, active.....  | (a) Eleven entered sanatorium   |
|  | (b) One treated in hospital     |
|  | (c) Seven treated at home       |
| 3 Moderately advanced, active.....                                       | (a) Three entered sanatorium    |
| 3 Far advanced, active.....  | (a) Two entered sanatorium      |
|  | (b) One died of T.B. Meningitis |
| 1 Tuberculous Peritonitis.....   | (a) Treated in hospital         |
| All of the 35 newly discovered cases of tuberculosis required treatment. |                                 |

## 2. PREVIOUSLY KNOWN:

- |  |                                  |                  |
|--|----------------------------------|------------------|
| 2  | Pleurisy with effusion, inactive | Remained on duty |
| 1  | Primary infection, inactive      | Remained on duty |
| 22   | Minimal, inactive                | Remained on duty |
| 14   | Moderately advanced, inactive    | Remained on duty |
| 9  | Far advanced, inactive           | Remained on duty |
| None of the previously known cases of tuberculosis became reactivated. |                                  |                  |

NOTE: With one exception, all of the previously known cases of tuberculosis were among non-graduate nurses employed in sanatoria.

## PART III

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF  
DEATH IN PERSONS DYING OF TUBERCULOSIS IN ONTARIO  
1945

The record was obtained of persons dying of tuberculosis in Ontario in 1945 who had received sanatorium treatment within five years of death.

Table XXVIII gives the summary of the findings for deaths of all forms of tuberculosis, as well as pulmonary only; a separate tabulation being made for Indians, whites, and whites and Indians combined.

It will be noted that 72.1% of all persons dying of tuberculosis (all forms) had been in sanatorium, while 80.9% of those dying of pulmonary tuberculosis had received sanatorium treatment. (If the white population only is counted the percentages are 75% and 84% respectively.)

Tables XXIX, XXX and XXXI give the details re the deaths from pulmonary tuberculosis in counties, districts, cities and towns.

Table XXXII shows the analysis of those persons (excluding Treaty Indians) who died of pulmonary tuberculosis in 1945 who had not been in sanatorium within five years of death. It will be noted that 60.5% of these were over 50 years of age, and 41.1% were over 60 years of age.

TABLE XXVIII

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH  
OF PERSONS DYING OF TUBERCULOSIS IN ONTARIO, 1945

PLACE OF RESIDENCE	WHITES AND INDIANS					
	All Forms			Pulmonary		
	Number of Deaths	Number Treated in Sanatorium	Percentage %	Number of Deaths	Number Treated in Sanatorium	Percentage %
*Districts.....	187	109	72.1	158	106	67.0
*Counties.....	256	190	74.2	222	184	82.8
Cities and Towns 5,000 and over..	551	418	75.8	471	399	84.7
Totals.....	994	717	72.1	851	689	80.9
INDIANS						
*Districts.....	92	38	41.3	75	37	49.3
*Counties.....	13	6	46.1	10	5	50.0
Cities and Towns 5,000 and over..	0	0	....	0	0	....
Totals.....	105	44	41.9	85	42	49.4
WHITES						
*Districts.....	95	71	74.7	83	69	83.1
*Counties.....	243	184	75.7	212	179	84.4
Cities and Towns 5,000 and over..	551	418	75.8	471	399	84.7
Totals.....	889	673	75.7	766	647	84.4

\*Excluding cities and towns 5,000 and over.

RECORD OF WHITES DYING OF PULMONARY TUBERCULOSIS TREATED  
IN SANATORIUM WITHIN FIVE YEARS OF DEATH  
(1941-1946)

Year	Percentage Treated in Sanatorium %
1941.....	79.5
1942.....	78.5
1943.....	81.7
1944.....	81.8
1945.....	84.8
Average.....	81.2

TABLE XXIX

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH  
IN PERSONS DYING OF TUBERCULOSIS (PULMONARY ONLY) ONTARIO, 1945

(Counties exclusive of cities and towns of 5,000 and over)

COUNTY	Pulmonary Tuberculosis Deaths			*Sanatorium Treatment			Percentage Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Brant.....	2	1	3	2	0	2	100	0	66
Bruce.....	7	4	11	6	2	8	86	50	73
Carleton.....	9	0	9	7	...	7	77	...	77
Dufferin.....	2	0	2	2	...	2	100	...	100
Dundas.....	0	0	0	...	...	...	...	...	...
Durham.....	5	0	5	5	...	5	100	...	...
Elgin.....	3	0	3	2	...	2	66	...	66
Essex.....	12	0	12	11	...	11	92	...	92
Frontenac.....	3	0	3	2	...	2	66	...	66
Glengarry.....	6	0	6	5	...	5	83	...	83
Grenville.....	2	0	2	2	...	2	100	...	100
Grey.....	5	0	5	4	...	4	80	...	80
Haldimand.....	4	1	5	4	1	5	100	100	100
Haliburton.....	0	0	0	...	...	...	...	...	...
Halton.....	4	0	4	4	...	4	100	...	100
Hastings.....	5	1	6	5	1	6	100	100	100
Huron.....	5	0	5	5	...	5	100	...	100
Kent.....	9	0	9	9	...	9	100	...	100
Lambton.....	3	0	3	2	...	2	66	...	66
Lanark.....	8	0	8	5	...	5	62	...	62
Leeds.....	4	0	4	3	...	3	75	...	75
Lennox and Addington	1	0	1	1	...	1	100	...	100
Lincoln.....	5	0	5	3	...	3	60	...	60
Middlesex.....	8	1	9	6	0	6	75	0	66
Norfolk.....	4	0	4	2	...	2	50	...	50
Northumberland.....	5	0	5	5	...	5	100	...	100
Ontario.....	4	0	4	2	...	2	50	...	50
Oxford.....	6	0	6	6	...	6	100	...	100
Peel.....	3	0	3	3	...	3	100	...	100
Perth.....	2	0	2	2	...	2	100	...	100
Peterborough.....	2	1	3	1	0	1	50	0	33
Prescott.....	9	0	9	8	...	8	88	...	88
Prince Edward.....	1	0	1	1	...	1	100	...	100
Renfrew.....	1	0	1	1	...	1	100	...	100
Russell.....	6	0	6	3	...	3	50	...	50
Simcoe.....	6	1	7	5	1	6	83	100	86
Stormont.....	3	0	3	3	...	3	100	...	100
Victoria.....	2	0	2	0	...	0	0	...	0
Waterloo.....	2	0	2	2	...	2	100	...	100
Welland.....	5	0	5	4	...	4	80	...	80
Wellington.....	2	0	2	2	...	2	100	...	100
Wentworth.....	4	0	4	4	...	4	100	...	100
York.....	33	0	33	30	...	30	91	...	91
Totals.....	212	10	222	179	5	184	84.4	50.0	82.8

\*Within five years of death.

TABLE XXX

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH IN PERSONS DYING OF TUBERCULOSIS (PULMONARY ONLY) IN ONTARIO, 1945

(Districts exclusive of Cities and Towns of 5,000 and over)

DISTRICT	Pulmonary Tuberculosis Deaths			*Sanatorium Treatment			Percentage Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Algoma.....	7	3	10	4	1	5	57	33	50
Cochrane.....	23	16	39	22	5	27	99	31	68
Kenora.....	4	12	16	4	4	8	100	33	50
Manitoulin.....	1	6	7	1	4	5	100	66	71
Muskoka.....	1	0	1	1	...	1	100	...	100
Nipissing.....	4	0	4	4	...	4	100	...	100
Parry Sound.....	5	5	10	4	1	5	80	20	50
Patricia.....	0	8	8	...	3	3	...	36	36
Rainy River.....	3	3	6	3	1	4	100	33	66
Sudbury.....	10	6	16	7	6	13	70	100	81
Temiskaming.....	12	2	14	7	1	8	58	50	57
Thunder Bay.....	13	14	27	12	11	23	92	78	85
Totals.....	83	75	158	69	37	106	83.1	49.3	67.0

\*Within five years of death.

TABLE XXXI

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH IN PERSONS DYING OF TUBERCULOSIS IN ONTARIO, 1945

(Cities and Towns of 5,000 Population and over)

Cities and Towns 5,000 Population and over	Tuberculosis Deaths		Sanatorium Treatment		Percentage Treated in Sanatorium	
	All Forms	Pulmonary	All Forms	Pulmonary	All Forms	Pulmonary
Barrie.....	1	1	1	1	100	100
Belleville.....	3	3	3	3	100	100
Brampton.....	3	3	2	2	66	66
Brantford.....	12	10	10	10	83	100
Brockville.....	4	4	4	4	100	100
Chatham.....	3	3	3	3	100	100
Cobourg.....	0	0	...	...	...	...
Collingwood.....	0	0	...	...	...	...
Cornwall.....	11	8	7	7	63	87
Dundas.....	2	1	1	1	50	100
Eastview.....	3	2	2	2	66	100
Forest Hill.....	3	2	3	2	100	100
Fort Erie.....	2	2	2	2	100	100
Fort Frances.....	0	0	...	...	...	...
Fort William.....	8	5	5	5	62	100
Galt.....	1	1	1	1	100	100
Guelph.....	7	5	7	5	100	100
Hamilton.....	40	37	32	32	80	87
Hawkesbury.....	4	4	2	2	50	50
Ingersoll.....	0	0	...	...	...	...
Kenora.....	2	2	1	1	50	50
Kingston.....	12	11	10	10	83	90



TABLE XXXI—Continued

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH  
IN PERSONS DYING OF TUBERCULOSIS IN ONTARIO, 1945

(Cities and Towns of 5,000 Population and over)

Cities and Towns of 5,000 Population and over	Tuberculosis Deaths		Sanatorium Treatment		Percentage Treated in Sanatorium	
	All Forms	Pulmonary	All Forms	Pulmonary	All Forms	Pulmonary
Kitchener.....	5	3	4	3	80	100
Leamington.....	0	0	..	..	..	..
Leaside.....	0	0	..	..	..	..
Lindsay.....	0	0	..	..	..	..
London.....	16	15	12	12	75	80
Long Branch.....	3	3	3	3	100	100
Midland.....	0	0	..	..	..	..
Mimico.....	1	0	1	..	..	..
New Toronto.....	1	1	1	1	100	100
Niagara Falls.....	6	5	5	4	83	80
North Bay.....	4	4	3	3	75	75
Orillia.....	0	0	..	..	..	..
Oshawa.....	2	2	2	2	100	100
Ottawa.....	61	49	43	38	70	78
Owen Sound.....	3	3	2	2	66	66
Parry Sound.....	1	0	0	..	..	..
Pembroke.....	8	5	4	4	50	80
Peterborough.....	8	7	6	6	76	86
Port Arthur.....	15	14	11	11	73	78
Port Colborne.....	0	0	..	..	..	..
Port Hope.....	1	1	1	1	100	100
Preston.....	1	1	1	1	100	100
Renfrew.....	0	0	..	..	..	..
Riverside.....	0	0	..	..	..	..
St. Catharines.....	9	8	8	8	88	100
St. Thomas.....	4	3	3	3	75	100
Sarnia.....	5	4	3	3	60	75
Sault Ste. Marie....	7	6	5	5	71	83
Simcoe.....	0	0	..	..	..	..
Smiths Falls.....	2	1	1	1	50	100
Stratford.....	4	4	4	4	100	100
Sudbury.....	14	12	10	10	71	83
Swansea.....	0	0	..	..	..	..
Thorold.....	3	3	3	3	100	100
Timmins.....	13	11	11	9	85	81
Toronto.....	195	168	143	137	73	81
Trenton.....	2	2	2	2	100	100
Waterloo.....	3	3	1	1	33	33
Welland.....	2	2	2	2	100	100
Weston.....	2	2	2	2	100	100
Whitby.....	1	1	1	1	100	100
Windsor.....	25	23	23	23	92	100
Woodstock.....	3	1	1	1	100	100
Totals.....	551	471	418	399	75.8	84.7

TABLE XXXII

PERSONS (excluding Indians) DYING OF PULMONARY TUBERCULOSIS IN  
ONTARIO IN 1945 NOT TREATED IN SANATORIUM WITHIN  
FIVE YEARS OF DEATH

## 1. Analysis According to Age and Sex

Age Groups	Male	Female	Total	Percentage of Total
0 to 4.....	1	2	3	2.5
5 to 9.....	1	..	1	.8
10 to 14.....	..	..	0	....
15 to 19.....	1	4	5	4.2
20 to 24.....	1	3	4	3.4
25 to 29.....	1	1	2	1.7
30 to 39.....	8	7	15	12.6
40 to 49.....	13	4	17	14.3
50 to 59.....	18	5	23	19.4
60 to 69.....	21	3	24	20.1
70 and over.....	17	8	25	21.0
Not stated.....	..	..	..	....
Totals.....	82	37	119	100.0

2. Analysis According to Classification of Pulmonary Tuberculosis as  
Primary or Secondary Cause of Death

Age Groups	Pulmonary Tuberculosis Given as Primary Cause	Pulmonary Tuberculosis Given as Secondary Cause
0 to 4.....	3	0
5 to 9.....	1	0
10 to 14.....	0	0
15 to 19.....	5	0
20 to 24.....	4	0
25 to 29.....	2	0
30 to 39.....	13	2
40 to 49.....	14	3
50 to 59.....	19	4
60 to 69.....	17	7
70 and over.....	20	5
Not stated.....	..	..
Totals.....	98	21

## 3. Analysis According to Reason for not Entering Sanatorium

(a) Refused Sanatorium treatment.....	20
(b) Diagnosed shortly before death or at autopsy.....	70
(c) Sanatorium treatment not considered necessary by physician or clinic.....	22
(d) No answer to questionnaire.....	7

\*119

\*Seventeen of these had been treated in sanatorium previous to the five year period preceding death.

58.8% of white persons dying of pulmonary tuberculosis who did not have the benefit of sanatorium treatment were discovered shortly before death or at autopsy.

## PART IV

### REPORT UPON POST-SANATORIUM CARE OF EX-PATIENTS OF SANATORIA

The Department accepts responsibility for the care of those persons who, prior to admission to sanatoria, resided in unorganized territory or who had failed to establish residence in any municipality in Ontario within the meaning of the Sanatoria for Consumptives Act. Post-sanatorium care provides for treatment outside of sanatorium, including food, lodging necessities of life and transportation.

Sixty-two such persons were discharged from sanatoria in 1946. Twenty-five of this group were in a position to assume immediate responsibility for their own welfare, or were sufficiently recovered to return to employment at once, and five required only some initial assistance (clothing, transportation). The remaining thirty-two required assistance with board and lodging, and sixteen of these also required further help (clothing, transportation).

As of December 31st, 1946, a total of forty-three patients were receiving board and lodging, eleven of these having been carried over from 1945.

Although not classed directly as part of its post-sanatorium care programme, the Government pays physicians approved to give pneumothorax refills for work done on ex-patients who cannot pay for their treatments. Approximately 1,600 persons who received in excess of 30,000 refills were cared for in this way.

## PART V

### TABLE XXXIII

#### RECORD OF NON-RESIDENTS TREATED IN ONTARIO SANATORIA, 1946

(Exclusive of Ex-Service Men and Women)

Province or Country	In Residence Dec. 31, 1946	Discharged during 1946	Total Number Treated	Method of Payment of Sanatorium Maintenance
Quebec.....	21	17	38	Province of Quebec (Reciprocal Agreement) 34 Self Pay..... 2 Paid by Mine Company..... 1 Family part pay—Ontario remainder... 1
Saskatchewan.	6	6	12	Province of Saskatchewan (Reciprocal Agreement)..... 11 Paid by Ontario—not eligible under old Agreement—now discharged..... 1
British Columbia...	13	6	19	Province of British Columbia (Reciprocal Agreement)..... 2 Refused to accept..... 7 Province of Ontario—discharged before Agreement..... 2 Federal Dept. of Labour (Japanese).... 8
Manitoba....	3	2	5	Province of Manitoba (Reciprocal Agreement)..... 3 Province of Ontario—discharged before Agreement..... 2

RECORD OF NON-RESIDENTS TREATED IN ONTARIO SANATORIA, 1946  
—Continued

Province or Country	In Residence Dec. 31, 1946	Discharged during 1946	Total Number treated	Method of Payment of Sanatorium Maintenance
Alberta . . . . .	1	2	3	Province of Alberta (Reciprocal Agreement) 2 Province of Ontario—discharged before Agreement . . . . . 1
Maritimes . . . .	6	6	12	Province of Ontario—very ill . . . . . 1 No bed in Prince Edward Island . . . . . 1 Refused transfer . . . . . 1 Transfer pending . . . . . 1 War Brides . . . . . 4 Family in Ontario . . . . . 2 Prisoners . . . . . 2
Newfoundland	7	1	8	Newfoundland—special cases . . . . . 2 Province of Ontario— Student at University . . . . . 1 Very ill . . . . . 2 Family in Ontario . . . . . 3
British Isles or United States	7	9	17	Province of Ontario—War Brides . . . . . 10 Deported from U.S.A. . . . . 1 War Guest (child) . . . . . 1 Self pay . . . . . 2 Paid by family . . . . . 2

## PART VI

## SANATORIUM STATISTICS, 1945

CLASSIFICATION OF NET ADMISSIONS TO SANATORIA  
FOR THE YEAR 1945

(Excludes Transfers and New Borns)

	Number	Per cent
New Cases . . . . .	2,166	72.3
Reviews . . . . .	79	2.6
Re-Admissions . . . . .	754	25.1
Total Net Admissions . . . . .	2,995	100.0

CLASSIFICATION OF RE-ADMISSIONS TO SANATORIA  
DURING THE YEAR 1945

	Total	Percentage of Total Net Admissions
First . . . . .	513	17.1
Second . . . . .	153	5.1
Third or more . . . . .	88	2.9
Total . . . . .	754	25.1

# APPLICATION OF SURGERY FOR TUBERCULOUS CONDITIONS IN SANATORIA DURING THE YEAR 1945

	Number of Patients having the Procedure
Thoracoplasty .....	189
Extra-pleural Pneumothorax (apicolysis) .....	7
Intra-pleural Pneumonolysis and Thoracoscopy .....	442
Phrenic nerve operations .....	333
Rib-resections .....	4
Bronchoscopy .....	422
Pneumothorax attempted unsuccessfully (several attempts listed only as one) .....	345
Pneumothorax established (unilateral only) .....	806
Pneumothorax established—bilateral (unilateral made bilateral) .....	103
Pneumoperitoneum .....	47
Spinal fusion operations .....	25
Arthrodesis operations .....	8
Ischiorectal operations .....	32
Nephrectomy .....	17
Cauterization of larynx .....	16
Cystoscopic operations .....	60
Laparotomy .....	3
Excision of Tuberculous Glands .....	9
Thoracotomy .....	1
Lobectomy .....	5
Scapulectomy .....	1
Aspiration of tuberculous abscesses .....	15
Amputations .....	.....
Transfusions .....	124
Plaster Casts .....	75
Miscellaneous .....	289
Epididymectomy, Orchidectomy, etc. ....	5
Total .....	3,383

## FINANCIAL STATUS OF PATIENTS IN RESIDENCE IN SANATORIA AS OF DECEMBER 31, 1945

	Number	Percentage of Total
Payments by Patients—		
No contribution .....	2,249	68.6
\$1.00 per week .....	2	.....
\$1.00 to \$2.00 per week .....	25	.8
\$2.00 to \$3.00 per week .....	36	1.1
\$3.00 to \$4.00 per week .....	49	1.2
\$4.00 to \$5.00 per week .....	95	2.9
\$5.00 to \$10.00 per week .....	53	1.6
\$10.00 to \$11.00 per week .....	26	.8
\$11.00 per week .....	33	1.0
	2,559	78.1
Infants born in sanatorium for whom the Province is paying \$1.00 per day .....	1	.....
Patients paid for by Workmen's Compensation Board .....	46	1.4
Patients paid for by Indian Affairs Branch .....	139	4.2
Patients paid for by Department of Veterans' Affairs .....	504	15.4
Others for whom no contribution was received from the Province .....	29	.9
	3,278	100.0



DIAGNOSTIC AND AGE GROUPS OF PATIENTS ADMITTED TO SANATORIA DURING THE YEAR 1945  
(Excludes transfers from other Sanatoria)

Diagnosis Established after Admission	under 5		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 to 44		45 to 49		50 to 59		60 and over		Total		Percent of Total Net Ad- missions		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
Diagnosis not established.....	..	..	..	..	1	1	1	1	1	..	..	..	..	..	..	..	1	1	1	1	1	..	..	6	3	..	2	1	..
No evidence of tbc.	..	..	3	2	1	1	..	2	2	..	2	4	..	1	2	..	1	2	1	1	2	1	2	..	16	14	..	5	5
Presumptive evidence and/or suspect tbc.	..	..	..	..	..	..	1	1	2	2	2	4	3	1	4	1	5	3	8	3	6	1	7	2	36	18	1.2	6	6
Tuberculosis not requiring treatment— only investigation or observation.....	..	..	..	..	..	..	4	1	7	3	3	1	1	1	1	..	1	1	3	1	6	1	4	..	30	10	1.0	3	3
Childhood tbc. (all types)	10	17	11	9	12	8	2	1	..	..	..	..	..	..	..	..	5	1	3	3	5	1	3	1	40	35	1.3	1.2	1.2
Pleurisy with Effusion	4	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..
Minimal	1	..	..	2	2	..	14	17	48	6	21	5	9	3	9	2	2	..	1	..	1	1	2	2	110	38	3.7	..	..
Moderately advanced	..	..	..	..	..	1	4	5	10	3	1	1	1	2	1	1	..	1	..	..	3	..	2	..	22	14	..	7	5
Advanced or far advanced	1	..	1	1	2	6	35	56	98	79	66	45	52	39	46	25	56	13	50	8	57	12	31	10	495	294	16.4	9.8	10
Extra-pul. tbc. only.....	..	..	1	1	1	..	2	4	6	6	7	11	5	4	7	1	8	1	2	2	8	1	6	..	53	30	1.8	1	0
Live births in Sanatoria.....	7	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	8	..	2	2
Totals.....	27	28	26	21	35	37	135	179	347	255	273	206	183	141	147	79	167	63	153	38	210	40	182	39	1884	1126	62.6	37.4	4
Percentage of Total Net Admissions.....	9	9	9	7	1.2	1.2	4.5	5.9	11.5	8.5	9.0	6.8	6.1	4.7	4.9	2.6	5.5	2.1	5.1	1.3	7.0	1.3	6.0	1.3	100	0	100	0	0



NET DISCHARGES FROM SANATORIA DURING THE YEAR 1945  
SHOWING DIAGNOSIS ESTABLISHED AFTER ADMISSION, LENGTH OF STAY IN SANATORIA AND CONDITION  
AT TIME OF DISCHARGE ON A PERCENTAGE BASIS  
(Excludes transfers and New Borns)

Diagnosis Established After Admission	Number	Percentage of diagnostic group staying in sanatoria since last admission							Percentage of diagnostic group discharged as:					
		30 day or less	31 days to 6 months	Over 6 months to 1 year	Over 1 year to 1½ years	Over 1½ years to 2 years	Over 2 years to 3 years	Over 3 years	Arrested	Apparently Arrested	Quiescent	Unstable or Active	Died	
													Within 48 hours	After 48 hours
Diagnosis not established.....	9	100.0	.....	.....	.....	.....	.....	.....	55.6	.....	.....	33.3	11.1	.....
(a) Neg. I.C. reactors.....	32	68.8	3.12	.....	.....	.....	.....	.....	93.8	.....	.....	.....	.....	6.2
(b) Pos. I.C. reactors.....	73	35.6	58.9	5.5	.....	.....	.....	.....	95.9	.....	.....	2.7	.....	1.4
Presumptive evidence and/or suspect tbc.....	27	40.7	55.6	.....	.....	.....	.....	.....	59.3	7.4	18.5	7.4	.....	7.4
Tuberculosis not requiring treatment—only investigation or observation....	93	76.3	23.7	.....	.....	.....	.....	.....	2.2	17.2	34.4	3.2	.....	1.1
(a) Pulmonary only.....	56	1.8	16.1	26.8	26.8	17.8	10.7	.....	.....	25.0	42.9	8.9	.....	.....
(b) With extra-pul. tbc.....	7	28.6	14.3	28.5	.....	14.3	14.3	.....	.....	14.3	28.6	.....	.....	57.1
(a) Pleural eff. only.....	167	6.6	52.7	34.1	4.8	1.2	.6	.....	.6	8.4	29.3	53.3	.....	.6
(b) With other tbc.....	34	5.9	29.4	41.2	5.9	5.9	11.7	.....	.....	2.9	41.2	26.5	.....	17.6
(a) Pulmonary only.....	396	4.6	35.1	37.9	14.6	3.0	4.8	.....	.....	1.8	52.0	24.0	.....	.5
(b) With extra-pul. tbc.....	74	2.7	32.4	29.7	20.3	2.7	9.5	.....	.....	6.8	35.1	32.4	.....	12.2
(a) Pulmonary only.....	647	4.2	23.6	29.7	20.7	11.7	9.6	.5	.....	1.4	55.6	21.6	.2	5.7
(b) With extra-pul. tbc.....	133	4.5	15.8	16.5	16.5	21.1	24.1	1.5	.....	1.5	47.4	21.8	.....	21.0
(a) Pulmonary only.....	719	11.0	25.7	19.6	12.5	8.9	18.9	3.4	.....	1.0	30.9	21.5	.8	38.0
(b) With extra-pul. tbc.....	320	8.8	27.2	15.6	11.5	9.1	22.2	5.6	.....	.3	16.2	17.5	.....	62.2
Advanced or Far Advanced									.....	35.3	4.5	27.8	.....	7.6
Extra-pulmonary tuberculosis only.....	133	8.3	21.8	21.8	15.8	11.3	18.0	3.0	.....	12.0	37.3	22.2	.....	19.7
Totals (less new born—20).....	2,920	11.2	28.7	23.9	13.7	8.2	12.5	1.8	4.2	4.3	.....	.....	.3	.....

## PART VII

RECORD OF CASES OF TUBERCULOSIS REPORTED TO  
ONTARIO DEPARTMENT OF HEALTH

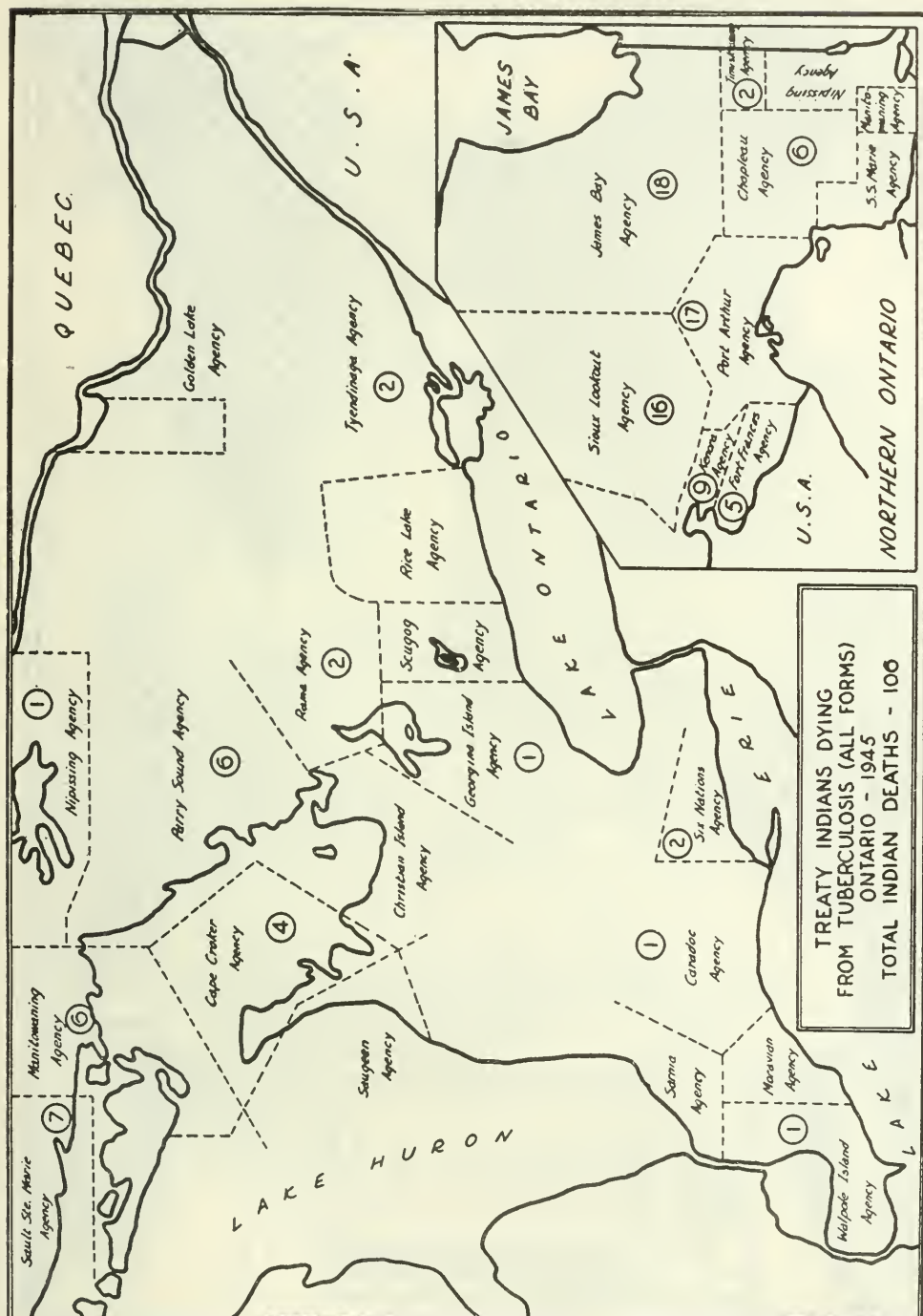
Counties or Districts also Cities over 10,000 Population	1940	1941	1942	1943	1944	1945	1946
Algoma.....	6	7	11	2	8	4	25
Sault Ste. Marie.....	9	11	1	6	15	2	42
Brant.....	0	0	2	1	0	2	24
Brantford.....	1	0	17	30	31	12	23
Bruce.....	2	6	3	3	2	3	23
Carleton.....	23	9	9	14	6	3	12
Ottawa.....	151	143	110	165	157	77	83
Cochrane.....	17	48	28	23	41	29	14
Timmins.....	22	73	72	42	72	47	42
Dufferin.....	2	0	0	1	3	0	15
Dundas.....	0	0	12	13	7	4	12
Durham.....	5	1	4	4	6	1	24
Elgin.....	1	1	0	0	0	1	0
St. Thomas.....	0	1	2	3	1	2	0
Essex.....	1	0	4	4	8	34	3
Windsor.....	0	1	36	89	88	51	6
Frontenac.....	0	4	2	2	0	3	3
Kingston.....	48	34	25	11	2	21	13
Glengarry.....	1	1	37	27	45	8	20
Grenville.....	2	7	3	2	12	5	4
Grey.....	4	5	2	2	5	4	25
Owen Sound.....	2	3	4	2	2	5	7
Haldimand.....	2	0	0	1	1	7	3
Haliburton.....	0	2	0	1	2	2	5
Halton.....	4	3	4	1	5	4	6
Hastings.....	9	3	6	12	13	21	26
Belleville.....	0	0	2	5	13	8	11
Huron.....	3	0	0	1	0	4	0
Kenora							
(including Patricia)...	5	5	14	29	3	7	7
Kent.....	4	3	1	1	2	1	0
Chatham.....	13	12	9	10	6	3	2
Lambton.....	0	3	0	0	1	3	1
Sarnia.....	0	0	1	1	0	0	6
Lanark.....	3	4	4	9	14	15	28
Leeds.....	5	3	6	4	6	9	4
Brockville.....	2	4	9	14	5	10	16
Lennox and Addington...	2	4	3	1	1	1	3
Lincoln.....	1	1	2	0	0	5	18
St. Catharines.....	1	40	44	27	32	36	37
Manitoulin.....	1	4	4	2	2	0	5
Middlesex.....	2	0	0	0	2	1	4
London.....	3	0	2	4	1	35	60
Muskoka.....	0	4	1	1	0	6	2
Nipissing.....	11	10	4	2	10	4	18
North Bay.....	13	5	8	8	7	7	19
Norfolk.....	0	0	1	3	5	4	2
Northumberland.....	0	3	2	4	6	9	36
Ontario.....	6	2	9	4	2	10	11
Oshawa.....	11	24	20	21	12	5	34
Oxford.....	0	1	1	0	0	1	0
Woodstock.....	0	0	0	1	0	1	1
Parry Sound.....	2	1	2	14	5	6	5
Peel.....	2	8	4	7	9	13	25
Perth.....	1	0	2	0	0	0	2
Stratford.....	1	0	0	2	6	1	1
Peterborough.....	3	4	1	3	4	2	4
Peterborough.....	14	5	14	17	45	15	3
Prescott.....	9	5	3	6	29	14	11
Prince Edward.....	0	4	0	2	3	3	1
Rainy River.....	0	2	5	0	1	0	0

RECORD OF CASES OF TUBERCULOSIS REPORTED TO  
ONTARIO DEPARTMENT OF HEALTH—Continued

Counties or Districts also Cities over 10,000 Population	1940	1941	1942	1943	1944	1945	1946
Renfrew.....	8	8	3	2	24	13	12
Pembroke.....	1	1	4	1	15	13	9
Russell.....	5	4	2	7	2	4	7
Simcoe.....	5	9	4	5	9	15	35
Stormont.....	1	1	28	13	15	21	20
Cornwall.....	1	5	51	51	58	30	46
Sudbury.....	16	16	29	29	23	19	17
Sudbury.....	25	30	43	44	54	46	49
Thunder Bay.....	13	31	23	13	15	11	21
Fort William.....	21	34	39	6	18	41	30
Port Arthur.....	14	1	33	52	35	36	32
Timiskaming.....	63	41	46	27	21	23	11
Victoria.....	1	0	3	2	0	0	3
Lindsay.....	0	0	0	0	1	0	8
Waterloo.....	3	3	3	2	1	10	4
Kitchener.....	0	3	23	59	51	19	41
Galt.....	0	0	38	8	7	4	1
Welland.....	3	14	3	6	7	5	8
Welland.....	16	18	2	3	2	0	9
Niagara Falls.....	0	1	24	28	26	28	11
Wellington.....	1	2	4	4	2	0	11
Guelph.....	0	0	0	6	3	10	8
Wentworth.....	0	0	5	1	0	6	4
Hamilton.....	31	19	106	155	240	135	97
York.....	93	89	113	117	106	87	120
Toronto.....	543	675	677	631	560	493	526
Forest Hill.....	2	2	2	0	3	3	2
Grand Totals.....	1,293	1,528	1,813	1,935	2,062	1,663	1,978

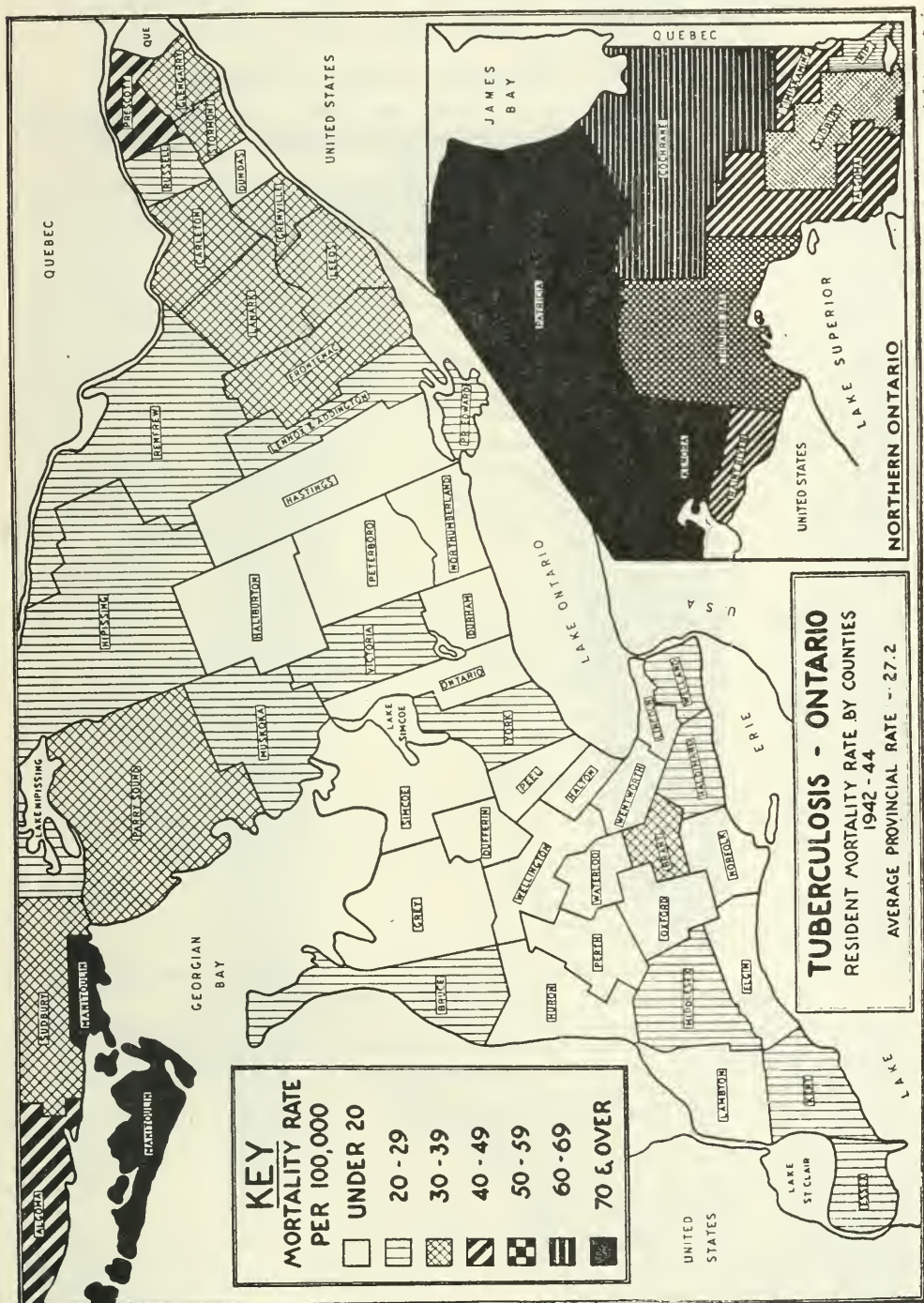




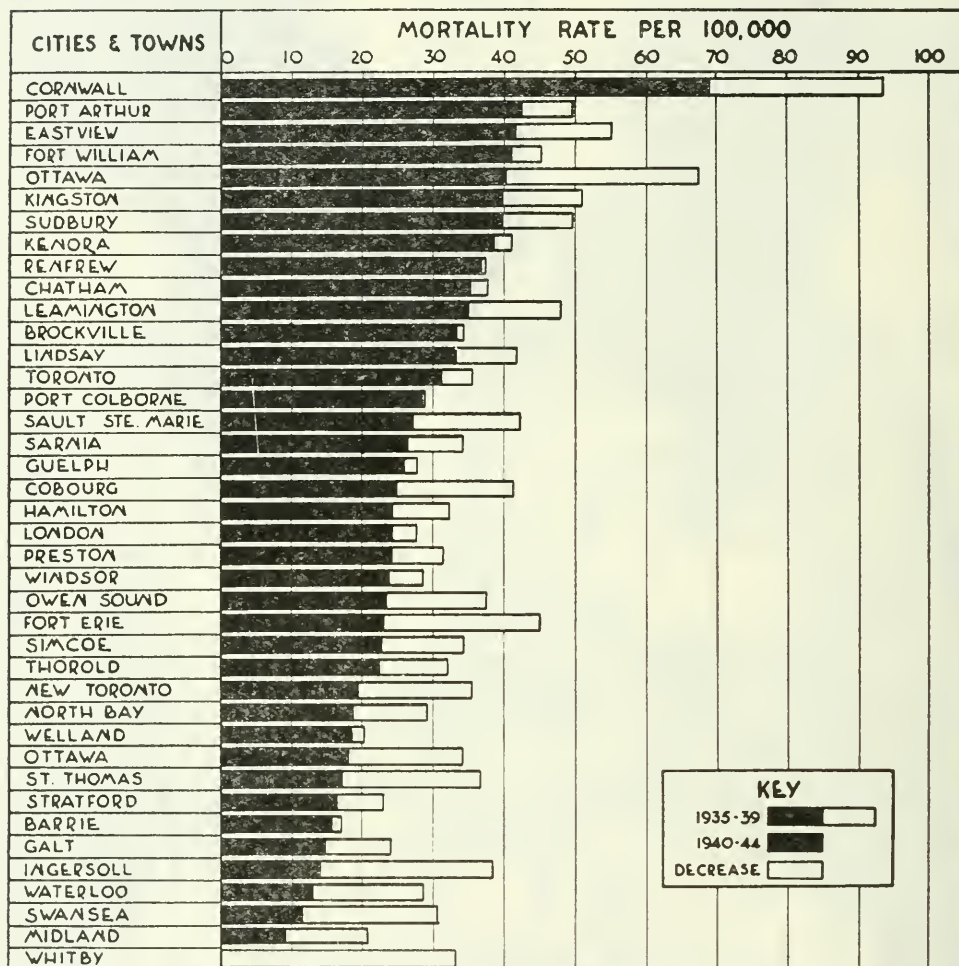




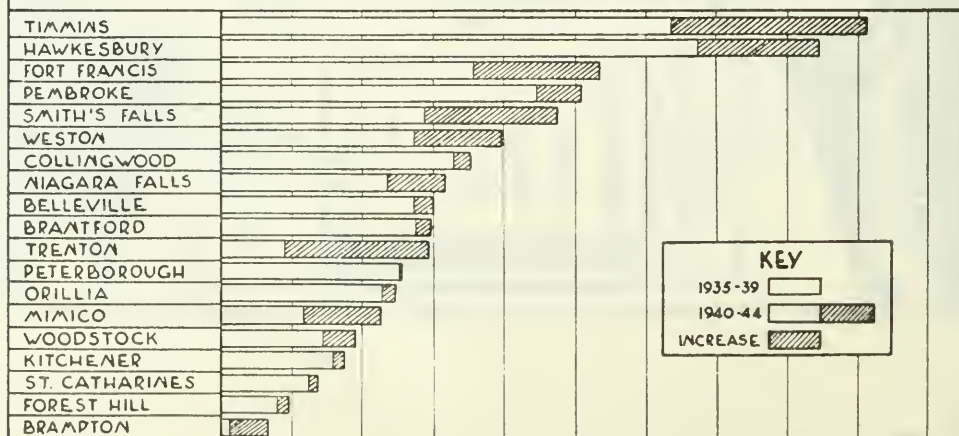




**RESIDENT TUBERCULOSIS MORTALITY RATE FOR  
CITIES & TOWNS OF 5,000 & OVER  
AVERAGE RATES FOR TWO 5 YEAR PERIODS  
ONTARIO - 1935-39 AND 1940-44**

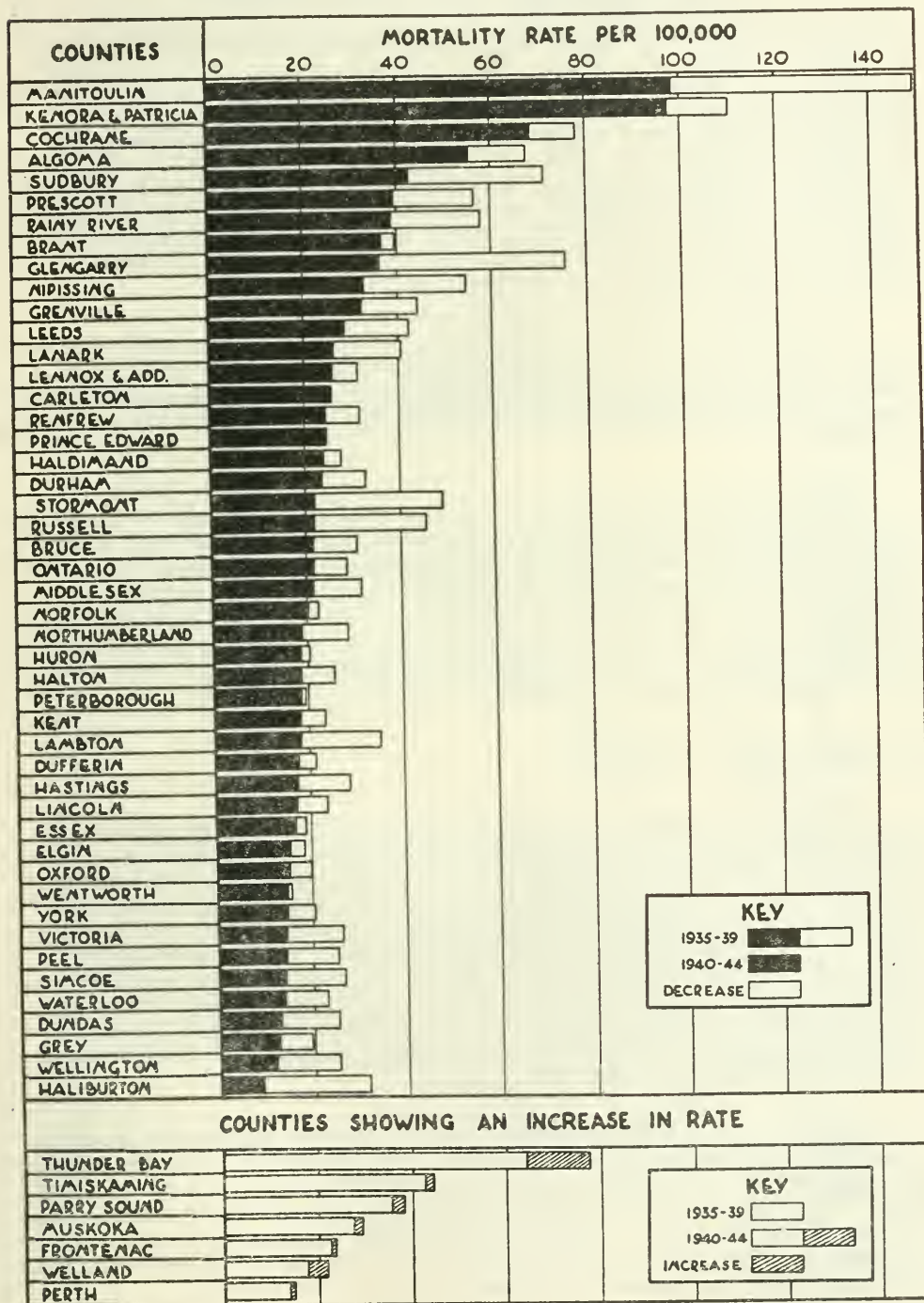


**CITIES & TOWNS SHOWING AN INCREASE IN RATE**





**RESIDENT TUBERCULOSIS MORTALITY RATE BY COUNTIES**  
**(EXCLUDING CITIES & TOWNS OF 5,000 & OVER)**  
**AVERAGE RATES FOR TWO 5 YEAR PERIODS**  
**ONTARIO - 1935 - 39 AND 1940 - 44**



## DIVISION OF VENEREAL DISEASE CONTROL

W. G. BROWN, M.D., D.P.H., *Acting Director*

The year 1946 was one of transition, with the programme of the Division passing through a period of adjustment due to the demobilization of the armed forces and the reduction of the part played by the armed forces medical services in venereal disease control. The early months of 1946 continued to show the rather significant part played by the armed forces in case and contact reporting but, as the year progressed, this participation decreased until, by the closing months of the year, it had become a minor contribution. Demobilization also made available greatly needed medical staff and this permitted an extension of activities, which heretofore had not been possible.

It was expected that the cessation of hostilities, demobilization, and the return of large numbers of our male population in the most significant age groups, would have had an adverse effect on reported venereal disease incidence. The expected increase, however, did not materialize; on the contrary, a decrease was recorded.

The programme of the Division has been subjected to a critical appraisal with the intention of evaluating all procedures as to their contribution to more effective prevention and control of venereal diseases. This appraisal will be continued and it is anticipated that significant changes may be indicated in the programme. Initially an effort has been made to eliminate unproductive activities and routines. However, it is apparent that no single plan of control can be effectively applied to both syphilis and gonorrhoea, but rather each should have its respective series of procedures.

### A. STATISTICAL SUMMARY

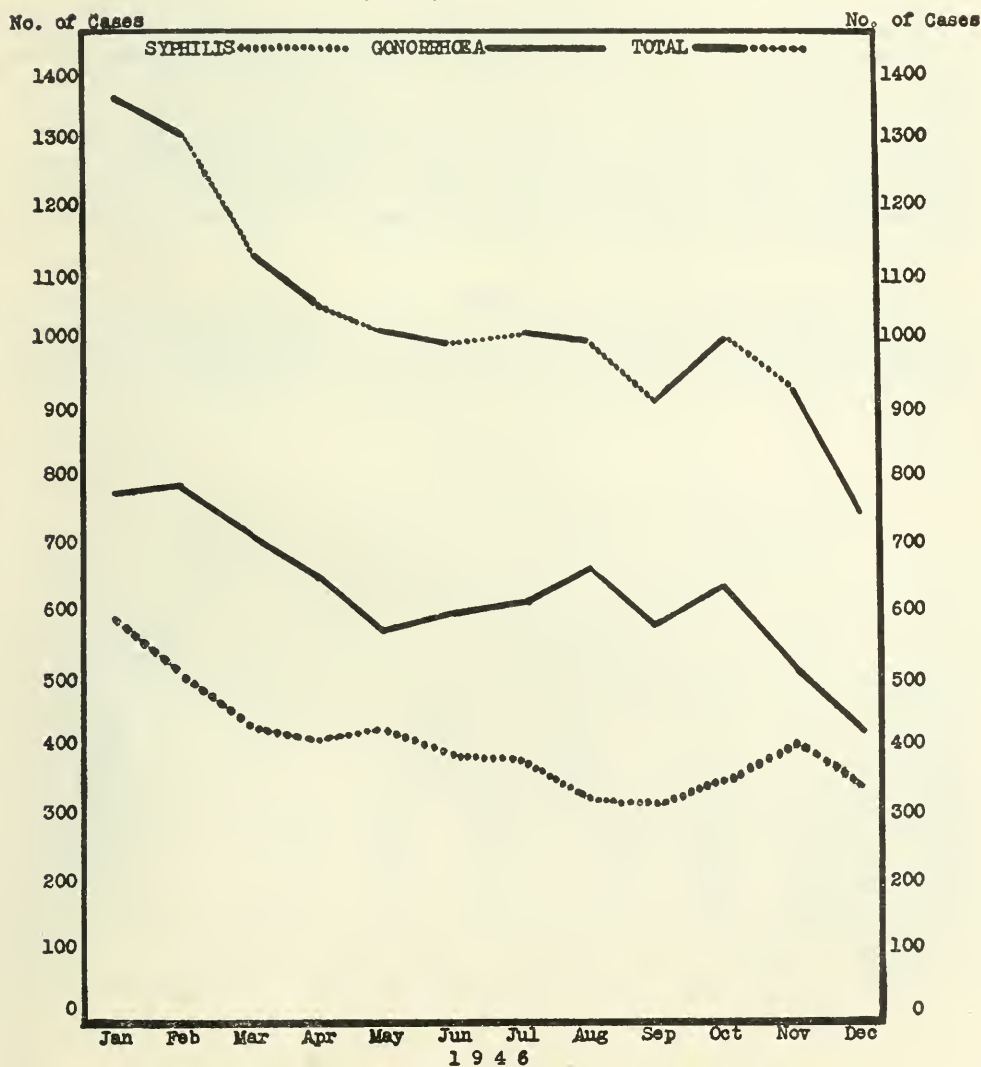
A statistical summary of venereal disease infection as reported to our Division for the first time is presented in the following tables and text. This information concerns only that portion, of all venereal disease, which is brought to the attention of the Division by reporting; and, although it may be representative of all venereal disease which prevails, it is not a measure of total incidence. The continuance of a high reported incidence of venereal disease is sufficient proof that there continues to exist in our population large numbers of communicable infections which are not located and brought under medical care. This contention is further supported by the evidence provided by contact investigation procedures, which result in the location of numerous infections which would not otherwise be brought under control.

It will be noted in Table I that there was a decrease in the reported incidence of syphilis and gonorrhoea during the year. The decrease in reported syphilis was insignificant, amounting to only 85 cases less than the total for the year 1945. The decrease in reported gonorrhoea amounted to 871 cases less than the total for the previous year. The trend of reporting during the year is expressed in Figure I. This graph depicts the gradual decrease in the monthly reported incidence of both syphilis and gonorrhoea.

TABLE I  
THE REPORTED INCIDENCE OF VENEREAL DISEASE IN ONTARIO  
Showing the Annual Number of Venereal Disease Infections Reported  
1937 to 1946

Year	SYPHILIS (All Forms)	GONORRHOEA	TOTAL
1937.....	2,415	3,481	5,896
1938.....	3,010	4,188	7,198
1939.....	3,285	4,125	7,410
1940.....	4,953	4,218	9,171
1941.....	7,484	5,293	12,777
1942.....	5,952	6,220	12,172
1943.....	6,849	6,390	13,239
1944.....	5,365	7,908	13,273
1945.....	4,919	8,225	13,144
1946.....	4,834	7,354	12,188

FIGURE 1  
THE REPORTED INCIDENCE OF VENEREAL DISEASE IN ONTARIO  
Showing the Number of Cases of Venereal Disease Reported by Months  
January to December, 1946



## B. REPORTED INCIDENCE OF SYPHILIS

In presenting the statistical data on reported syphilis, the infections have been divided into three groups based on the classification of diagnosis. These groups comprise prenatal (congenital) syphilis, acquired syphilis and syphilis which was not classified. The cases of prenatal syphilis represent 120 infections which are presumed to have been spread to the persons concerned before birth. Had the diagnosis been established in the mother, early in pregnancy, and had appropriate treatment been given, these infections almost certainly could have been prevented.

The cases of acquired syphilis represent those infections which were acquired by the persons concerned through exposure to infections which were in a communicable form. The occurrence of these cases is direct proof of the existence of communicable syphilis which was not located and rendered non-communicable by treatment. The cases of acquired syphilis have been divided into two groups, early and late, in accordance with the stage of disease at the time of diagnosis. Early acquired syphilis includes infections in the primary and secondary stages. They were all communicable and were infections which offered the best opportunity for control through treatment.

The cases of late acquired syphilis include those infections which have advanced beyond the early stages and have reached a latent or asymptomatic stage. Late acquired syphilis also includes those infections advanced even farther than latency to the stage when chronic manifestations become evident. All the cases in this group are liabilities in that they probably were, in their early stages, the unknown source of many cases of syphilis, and now their treatment will be difficult, prolonged and uncertain in its benefits. These cases include cardiovascular syphilis, neurosyphilis and other cases of syphilis with late manifestations present at the time of diagnosis.

The group of cases classified as syphilis, type not stated, represents cases concerning which all detailed information is lacking. Every effort is being made to reduce this group to the point of elimination by seeking supplementary data and distributing information respecting the basis for classification of diagnosis.

TABLE II  
THE REPORTED INCIDENCE OF SYPHILIS IN ONTARIO

Showing the Annual Number of Syphilis Infections Reported  
1937 to 1946

Year	SYPHILIS (All Forms)	Year	SYPHILIS (All Forms)
1937.....	2,415	1942.....	5,952
1938.....	3,010	1943.....	6,849
1939.....	3,285	1944.....	5,365
1940.....	4,953	1945.....	4,919
1941.....	7,484	1946.....	4,834



TABLE III

## THE REPORTED INCIDENCE OF SYPHILIS IN ONTARIO

Showing the Distribution of Reported Syphilis by Sex and Classification of Disease  
January to December, 1946

Classification of Syphilis	Male		Female		Total	
	Reported Cases	Percent of Total	Reported Cases	Percent of Total	Reported Cases	Percent of Total
Prenatal.....	54	1.8	66	3.7	120	2.5
A Early.....	1,497	48.8	844	47.7	2,341	48.4
C Primary.....	1,146	37.4	429	24.3	1,575	32.6
Q Secondary....	351	11.4	415	23.4	766	15.8
U Late.....	1,208	39.4	679	38.4	1,887	39.0
I Latent.....	846	27.6	528	29.9	1,374	28.4
R Other.....	362	11.8	151	8.5	513	10.6
E Type Not Stated...	306	10.0	180	10.2	486	10.1
D Total Syphilis.....	3,065	100.0	1,769	100.0	4,834	100.0

It may be noted in Table 3 that, in so far as the distribution of reported syphilis in the three main classification groups is concerned, the factor of sex is of no apparent significance. The only exception is in prenatal syphilis, where the percentage of reported cases among females exceeded that among males.

TABLE IV

## THE REPORTED INCIDENCE OF SYPHILIS IN ONTARIO

Showing the Distribution of Reported Syphilis by Age Group, Sex and Classification of Disease  
January to December, 1946

Age Group	Prenatal Syphilis		ACQUIRED SYPHILIS								Type not Stated		Total	
			Early				Late							
			Primary		Secondary		Latent		Other					
	M	F	M	F	M	F	M	F	M	F	M	F		
0-4	31	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31	35
5-9	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	6
10-14	9	5	.....	3	.....	.....	.....	.....	.....	1	1	.....	10	9
15-16	1	6	5	16	2	8	1	7	.....	1	2	.....	10	39
17-19	3	1	65	64	9	58	12	34	.....	2	2	9	91	168
20-24	3	2	313	143	81	110	99	105	7	7	38	30	541	397
25-29	1	7	266	76	73	94	135	87	13	10	55	21	543	295
30 plus	1	4	404	90	161	106	534	245	305	109	135	67	1,540	621
N.S.	...	1	93	37	25	39	65	50	37	23	74	49	294	199
Total..	54	66	1,146	429	351	415	846	528	362	151	306	180	3,065	1,769
	120		1,575		766		1,374		513		486		4,834	



The factor of age, however, is of some significance and a large proportion of reported incidence continues to be reported among the 17-29 year age groups. It is apparent that there is a need to extend the age group breakdown in order to provide more detailed information regarding the infections now included as 30 years of age and over.

Moreover, when discussing the factor of age, in relation to reported venereal disease incidence, it would appear reasonable that the age distribution of the population should be taken into consideration. Table IV presents case reporting of syphilis by sex and age group. In Table V these data have been presented as the percentage of reported cases in age groups by sex, together with the annual reported rate per thousand of population in each age group.

TABLE V  
THE REPORTED INCIDENCE OF SYPHILIS IN ONTARIO

Showing the Percentage Distribution and Annual Rate per Thousand Population of  
Reported Syphilis by Age Group and Sex  
January to December, 1946

Age Group	SYPHILIS			
	Male		Female	
	Percent Distribution	Rate Per M.*	Percent Distribution	Rate Per M.*
0-4.....	1.0	0.09	2.0	0.10
5-9.....	0.2		0.3	
10-14.....	0.3		0.5	
15-19.....	3.3	0.61	11.7	1.26
20-24.....	17.7	3.16	22.4	2.26
25-29.....	17.7	3.38	16.7	1.81
30 plus.....	50.2	1.51	35.1	0.62
N.S.....	9.6	0.14	11.3	0.10
Total.....	100.0	1.52	100.0	0.89

\*Reported rate per thousand per annum estimated on basis of 1945 population figures.

It will be noted how the additional factor of age distribution of population somewhat alters the impression of distribution of reported case incidence which might otherwise be gained from Table IV. For example, in Table IV, reported cases of syphilis among males in the 20-24 and 25-29 year age groups are almost identical in number. However, Table V indicates that the reported incidence among males in the 25-29 year age group is somewhat greater than among males in the 20-24 year age group.

### C. REPORTED INCIDENCE OF GONORRHOEA

The reports received respecting gonorrhoea offer only two classifications, ophthalmia neonatorum (infection in the eyes of the new born) and all other forms of gonorrhoea combined. Although it is known that this latter group includes urethritis, arthritis, vulvovaginitis and other clinical entities, this detail is not requested on the official notification form. There is obvious need for a more detailed classification of reported gonorrhoea, and any programme of prevention and control will be handicapped until such detail is provided.

As in the case of syphilis, the continued high reported incidence of gonorrhoea is expressive of the existence of large numbers of cases of gonorrhoea which were not located and rendered non-communicable. Significant advances have been made in methods of therapy but these advances cannot benefit programmes of control as long as these conditions persist.

TABLE VI  
THE REPORTED INCIDENCE OF GONORRHOEA IN ONTARIO

Showing the Annual Number of Gonorrhoea Infections Reported  
1937 to 1946

YEAR	GONORRHOEA	YEAR	GONORRHOEA
1937.....	3,481	1942.....	6,220
1938.....	4,188	1943.....	6,390
1939.....	4,125	1944.....	7,908
1940.....	4,218	1945.....	8,225
1941.....	5,293	1946.....	7,354

TABLE VII  
THE REPORTED INCIDENCE OF GONORRHOEA IN ONTARIO

Showing an Analysis of Gonorrhoea Reports Received by Reporting Agency and Sex  
1945 and 1946

Reporting Agency	GONORRHOEA					
	Male		Female		Total	
	1945	1946	1945	1946	1945	1946
Private Physicians..	1,835	2,337	713	652	2,548	2,989
Clinics.....	1,732	2,384	1,101	880	2,833	3,264
Armed Forces.....	2,555	860	45	5	2,600	865
Other.....	154	156	90	80	244	236
Total.....	6,276	5,737	1,949	1,617	8,225	7,354

The number of cases of gonorrhoea reported during the year is given in Table VI and this table shows that there was a decrease of 871 reported cases as compared with the previous year. Table VII gives a comparison of sources of case reports of gonorrhoea for the years 1945 and 1946. It will be noted that there was an increase in the number of cases reported by physicians and clinics and a decrease in the number of cases reported by the armed forces.

The reported incidence of gonorrhoea by sex and age group is expressed in Table VIII. A larger number of cases were reported among males except in the age groups under 17 years, when of course, vulvovaginitis is encountered in the female. The lower reported incidence in females is probably due in part to the difficulty of establishing a confirmed diagnosis even by the best laboratory methods and also in part to the fact that symptoms in the female are not as likely to lead to medical attention.

TABLE VIII

## THE REPORTED INCIDENCE OF GONORRHOEA IN ONTARIO

Showing the Distribution of Reported Gonorrhoea by Age Group and Sex  
January to December, 1946

Age Group	GONORRHOEA		
	Male	Female	Total
0-4.....	3	33	36
5-9.....	2	20	22
10-14.....	4	21	25
15-16.....	30	63	93
17-19.....	425	331	756
20-24.....	2,227	540	2,767
25-29.....	1,462	270	1,732
30 plus.....	1,229	220	1,449
N.S.....	355	119	474
Total.....	5,737	1,617	7,354

TABLE IX

## THE REPORTED INCIDENCE OF GONORRHOEA IN ONTARIO

Showing the Percentage Distribution and Annual Rate per Thousand Population of  
Reported Gonorrhoea by Age Group and Sex  
January to December, 1946

Age Group	GONORRHOEA			
	Male		Female	
	Percent Distribution	Rate Per M.*	Percent Distribution	Rate Per M.*
0-4.....	0.2	0.02	2.0	0.15
5-9.....			1.2	
10-14.....			1.3	
15-19.....	7.9	2.74	24.4	2.41
20-24.....	38.8	13.02	33.4	3.08
25-29.....	25.5	9.11	16.7	1.65
30 plus.....	21.4	1.20	13.6	0.22
N.S.....	6.2	0.18	7.4	0.06
Total.....	100.0	2.84	100.0	0.81

\*Reported rate per thousand per annum estimated on basis of 1945 population figures

As stated previously, when discussing syphilis, there is an indicated need for an extension of age group breakdown beyond the age of 29 years. Moreover, when the factor of age distribution of population is considered, a somewhat different impression is given of reported incidence in the various age groups.

TABLE X  
THE REPORTED INCIDENCE OF VENEREAL DISEASE IN ONTARIO

Showing the Distribution of Reported Male Infections by Age Group  
January to December, 1946

AGE GROUP	GONORRHOEA	SYPHILIS	RATIO OF G. TO S.
Under 15.....	9	46	0.2:1
16-19.....	455	101	4.5:1
20-24.....	2,227	541	4.1:1
25-29.....	1,462	543	2.7:1
30 and over.....	1,229	1,540	0.8:1
Not stated.....	355	294	1.2:1
Total.....	5,737	3,065	1.9:1

It has been stated that the ratio of gonorrhoea to syphilis, as reported, is indicative of the completeness of case reporting. In view of many variables involved, it is difficult to see how any such ratio could be significant. The variation in the ratio of reported gonorrhoea to reported syphilis among males in various age groups is shown in Table X.

#### D. EPIDEMIOLOGY

The need for epidemiology in venereal disease control is fully justified by the fact that every person infected with venereal disease was infected by a pre-existing communicable case and can spread this newly acquired infection to other persons. From the standpoint of epidemiology every diagnosed infection of venereal disease is a public health asset, in so far as the infected person is a potential source of valuable information, which may lead to the discovery of infections not yet diagnosed.

The procedures of epidemiologic investigation depend fundamentally upon the notification of venereal disease infections. The value of interviewing the newly diagnosed case will depend upon the skill of the interviewer and the intelligent use of the information which is obtained. Interviewing under any circumstances is an art which, however, must be at its best when venereal diseases are concerned. The techniques employed often may be already known to practicing physicians or public health personnel, but the skill with which these techniques are applied can only be developed through experience.

TABLE XI  
EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing Cases Reported and Contact Informations Received  
1943 to 1946

Year	Venereal Disease Cases Reported	Contact Informations Received
1943.....	13,239	2,047
1944.....	13,273	6,820
1945.....	13,144	10,360
1946.....	12,188	9,006

TABLE XII

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing the Relation between Cases Reported and Contact Informations Received, by Sex  
January to December, 1946

	Reported Cases	Contact Informations Received	Ratio of Cases to Contacts
Male:			
Syphilis.....	3,065	1,617	1:0.53
Gonorrhoea.....	5,737	4,604	1:0.80
Total.....	8,802	6,221	1:0.71
Female:			
Syphilis.....	1,769	1,353	1:0.76
Gonorrhoea.....	1,617	1,432	1:0.89
Total.....	3,386	2,785	1:0.82
Total:			
Syphilis.....	4,834	2,970	1:0.61
Gonorrhoea.....	7,354	6,036	1:0.82
Total.....	12,188	9,006	1:0.74

The trend of reporting of information concerning alleged contacts is given in Tables XI and XII. No great significance should be placed upon the ratio of new cases reported to contact informations received since it is known that all cases are not interviewed and all contact informations are not relevant.

TABLE XIII

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing the Number of Venereal Disease Contact Informations Received from  
Armed Forces and Civilian Agencies  
1943 to 1946

Year	REPORTING AGENCY			
	Armed Forces		Civilian	
	Number	Percent	Number	Percent
1943.....	1,542	75.3	505	24.7
1944.....	3,448	50.6	3,372	49.4
1945.....	3,537	34.1	6,823	65.9
1946.....	1,183	13.1	7,823	86.9

In previous years the contribution of the medical services of the armed forces to the epidemiological phase of the programme was considerable. The part played by this reporting agency, however, has been decreasing and, by the end of the year, had reached a level of minor importance. There was an upward trend of reporting of contact information by civilian agencies and this trend can be expected to continue.



TABLE XIV

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing Relation between Cases Reported and Contact Informations Received  
from Armed Forces and Civilian Agencies  
1945 and 1946

Year		Armed Forces	Civilian	Total
1945	Reported Cases of Venereal Disease.....	3,408	9,736	13,144
	Contact Informations Received.....	3,537	6,823	10,360
	Ratio of Cases to Contacts.....	1.03	0.70	0.78
1946	Reported Cases of Venereal Disease.....	1,244	10,944	12,188
	Contact Informations Received.....	1,183	7,823	9,006
	Ratio of Cases to Contacts.....	0.95	0.72	0.74

TABLE XV

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing the Ratio between Cases Reported and Contact Informations Received by  
Reporting Agency

January to December, 1946

Reporting Agency	Reported Cases of Venereal Disease	Number of Contact Informations	Ratio of Cases to Contacts
Clinics.....	5,152	4,980	1:0.97
Physicians.....	5,116	2,457	1:0.48
Armed Forces.....	1,244	1,183	1:0.95
Other.....	676	386	1:0.57
Total.....	12,188	9,006	1:0.74

The distribution by agency of reported venereal disease cases and contact informations received, together with the ratio of cases to contacts, is shown in Table XV. The greater number of contact informations was provided by clinics.

TABLE XVI

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing the Distribution of Contact Informations by  
Reporting Agency, Disease and Sex  
January to December, 1946

Reporting Agency	SYPHILIS			GONORRHOEA			TOTAL		
	Male Con- tacts	Female Con- tacts	Total Con- tacts	Male Con- tacts	Female Con- tacts	Total Con- tacts	Male Con- tacts	Female Con- tacts	Total Con- tacts
Health Dept., etc.....	71	66	137	75	174	249	146	240	386
Clinics.....	867	989	1,856	1,030	2,094	3,124	1,897	3,083	4,980
Physicians....	408	403	811	312	1,334	1,646	720	1,737	2,457
Armed Forces..	7	159	166	15	1,002	1,017	22	1,161	1,183
Total.....	1,353	1,617	2,970	1,432	4,604	6,036	2,785	6,221	9,006

The distribution of contact informations by reporting agency and sex, and by disease of the persons interviewed, is given in Table XVI. Since the total reports of newly diagnosed cases forwarded by physicians and clinics were quite comparable in numbers, Table XVI gives some indication of the relative success of these two reporting agencies in obtaining contact information.

TABLE XVII  
EPIDEMIOLOGIC INVESTIGATION OF CONTACTIN FORMATION IN ONTARIO

Showing Contacts Reported by Age Group, Sex and Disease  
January to December, 1946

Age Group	SYPHILIS			GONORRHOEA			TOTAL VENEREAL DISEASE		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 15.....	76	82	158	6	10	16	82	92	174
16-19.....	55	176	231	68	774	842	123	950	1,073
20-24.....	239	383	622	434	1,792	2,226	673	2,175	2,848
25-29.....	210	209	419	271	715	986	481	924	1,405
30 and over....	390	314	704	282	437	719	672	751	1,423
Not Stated....	383	453	836	371	876	1,247	754	1,329	2,083
Total.....	1,353	1,617	2,970	1,432	4,604	6,036	2,785	6,221	9,006

The age group distribution of persons named as alleged contacts is given in Table XVII. If this table is considered in conjunction with Tables IV and VIII it will be noted that the age distribution of persons named in contact informations is comparable to the age distribution of reported cases.

TABLE XVIII  
EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing the Number of Contacts Located and the Number of Contacts Found Infected  
1944 to 1946

Year	A CONTACTS INVESTIGATED	B CONTACTS LOCATED		CONTACTS FOUND INFECTED		
		Number	Percent of A	Number	Percent of B	Percent of A
1944.....	6,820	2,518	36.9	1,380	55.1	20.2
1945.....	10,360	3,840	37.1	2,122	55.3	20.5
1946*.....	9,006	3,761	41.8	1,856	49.4	20.6

\*Thirty percent of the contacts reported during 1946 were still under investigation at the end of the year.

An evaluation of the results of epidemiology is difficult since the data available for analysis are incomplete. The information provided in Tables XVIII and XIX should be considered to be no more than an indication of the effectiveness of contact investigation procedures. According to Table XVIII, the success attained over the past three years has been more or less uniform, irrespective of

the number of contact investigations carried out. In Table XIX is indicated, in greater detail, the results of investigations carried out during the year 1946, based upon the reports received up to the end of the year.

TABLE XIX

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing Contacts Located, Contacts not Located, and Contacts Still Under Investigation, by Sex and Disease

January to December, 1946

	SYPHILIS		GONORRHOEA		TOTAL	
	Male	Female	Male	Female	Male	Female
Contacts Reported.....	1,353	1,617	1,432	4,604	2,785	6,221
Contacts Located.....	591	895	634	1,641	1,225	2,536
Syphilis.....	283	402	13	28	296	430
Gonorrhoea.....	11	14	282	823	293	37
Negative.....	291	477	318	764	609	1,241
Not Examined.....	6	2	21	26	27	28
Contacts Not Located.....	171	312	353	1,363	524	1,675
(Inadequate information or Outside Jurisdiction)						
Contacts Still Under Investigation.....	591	410	445	1,600	1,036	2,010

TABLE XX

## EPIDEMIOLOGIC INVESTIGATION OF CONTACT INFORMATION IN ONTARIO

Showing New Cases of Venereal Disease Brought Under Diagnosis through Contact Investigation

January to December, 1946

	SYPHILIS		GONORRHOEA		TOTAL	
	Male	Female	Male	Female	Male	Female
Cases of Venereal Disease Reported During Period.....	3,065	1,769	5,737	1,617	8,802	3,386
Contacts Located and Found Positive During Period.....	294	416	295	851	589	1,267
Percent of Reported Venereal Disease Brought Under Diagnosis Through Contact Investigation	9.6	23.5	5.2	52.6	6.7	37.5

The number of new cases of venereal disease which can be presumed to have been brought under diagnosis through contact investigation, and the percentage which they constitute of the total cases of venereal disease reported during the year is given in Table XX. Since the data concerned are incomplete; the information presented in this table should only be accepted as a limited expression of the results which were obtained.

A detailed appraisal of present methods of case interviewing and contact investigation is being carried out with the intention of improving the quality and adequacy of identifying information and assuring more efficient and effective tracing of the chain of infection, of which each newly diagnosed case is but a single link.

## E. ADMINISTRATION

*Staff:*

The medical personnel of the Division was augmented, in the early months of the year, by the appointment of Dr. A. A. Baker and Dr. A. J. Denne. These appointments have made possible an extension of all services offered by the Division. Reference is made particularly to the improvement in services rendered to physicians, municipalities and hospitals. Intensive study of epidemiology was also possible. This study has resulted in an improvement in the assistance rendered by the Division and in the quality of epidemiology as it is applied at the local level.

Opportunity was afforded to permit the supervisor of nurses in the Division to proceed on leave of absence for one year for advanced studies in public health nursing. This additional qualification will be of great value as a preparation toward meeting the demands of the growing participation of the public health nurse in venereal disease control procedures. Through the short course in venereal disease epidemiology, offered by the Division, and through opportunities provided for demonstration of epidemiologic techniques the recommendations of the Division that venereal disease control procedures be included in generalized public health nursing practice is receiving wider acceptance.

*Clinic Services:*

The services rendered by the nineteen clinics established throughout the Province have shown considerable expansion during the year.

TABLE XXI  
VENEREAL DISEASE CLINICS IN ONTARIO  
Showing the Annual Number of Attendances by Clinics  
1944 to 1946

CLINIC	YEAR		
	1944	1945	1946
Toronto East General Hospital.....	2,423	1,768	2,260
Toronto General Hospital.....	21,016	21,379	20,751
Toronto, Hospital for Sick Children.....	1,325	1,324	1,569
Toronto, St. Michael's Hospital.....	17,322	21,033	21,911
Toronto, Western Hospital.....	14,690	14,559	18,937
Toronto, Women's College Hospital.....	4,651	6,297	5,425
Brantford.....	1,353	1,635	1,849
Fort William.....	4,595	4,295	4,668
Hamilton.....	11,853	10,514	11,588
Kingston.....	2,949	2,655	2,587
Kitchener.....	1,810	1,818	1,714
London.....	5,234	6,069	5,635
Ottawa.....	11,643	11,987	16,403
Owen Sound.....	2,155	742	1,136
Peterborough*.....	983	822	*
St. Catharines.....	2,857	3,377	4,204
Sault Ste. Marie.....	5,819	5,264	3,884
Sudbury.....	8,514	10,573	9,035
Timmins.....	5,339	5,918	6,644
Windsor.....	14,091	12,815	14,081
Total.....	140,622	143,844	154,281

\*Clinic closed on October 31, 1945.



The attendances at these clinics for the years 1944, 1945 and 1946 are given in Table XXI. It will be noted that a considerable increase occurred in attendances during 1946, the total attendance being the greatest yet recorded.

TABLE XXII  
VENEREAL DISEASE CLINICS IN ONTARIO  
Showing Annual New Admissions for Total Clinics by Sex and Disease  
1941 to 1946

Year	SYPHILIS			GONORRHOEA			TOTAL VENEREAL DISEASE		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1941.....	631	518	1,149	599	373	972	1,230	891	2,121
1942.....	613	580	1,193	618	443	1,061	1,231	1,023	2,254
1943.....	655	643	1,298	623	498	1,121	1,278	1,141	2,419
1944.....	493	490	983	837	602	1,439	1,330	1,092	2,422
1945.....	981	683	1,664	1,455	900	2,355	2,436	1,583	4,019
1946.....	1,917	979	2,896	2,551	955	3,506	4,468	1,934	6,402

The increased activity of clinics is also expressed in Table XXII which gives the total new admissions to clinics by disease and sex for the years 1941 to 1946, inclusive. It will be noted that there has been a progressive increase in new admissions to clinics for this six year period with a significant rise occurring during the year 1946.

This increase in new admissions for the past year occurred in both diseases and both sexes, with the major portion of the increase occurring among males.

TABLE XXIII  
VENEREAL DISEASE CLINICS IN ONTARIO  
Showing Annual New Admissions by Clinics  
1941 to 1946

Clinic	YEAR					
	1941	1942	1943	1944	1945	1946
Toronto East General Hospital.....	30	29	33	24	31	76
Toronto General Hospital.....	394	347	384	391	550	858
Toronto, Hospital for Sick Children.....	32	41	52	33	29	19
Toronto, St. Michael's Hospital.....	388	323	402	442	772	828
Toronto, Western Hospital.....	217	267	236	245	309	742
Toronto, Women's College Hospital.....	98	112	99	146	199	229
Brantford.....	32	23	18	22	46	77
Fort William.....	82	76	49	89	117	234
Hamilton.....	86	156	116	103	217	518
Kingston.....	78	68	80	69	85	104
Kitchener.....	17	28	40	44	35	97
London.....	31	54	81	86	157	224
Ottawa.....	241	232	243	182	504	925
Owen Sound.....	21	21	54	23	34	54
Peterborough*.....	20	25	23	14	28	*
St. Catharines.....	61	54	52	50	79	111
Sault Ste. Marie.....	85	75	69	74	117	194
Sudbury.....	83	97	132	92	209	337
Timmins.....	38	55	53	83	124	276
Windsor.....	87	173	203	210	357	499
Total.....	2,121	2,254	2,419	2,422	4,619	6,402

\*Clinic closed on October 31, 1945.



The new admissions to the various clinics are given in Table XXIII for the years 1941 to 1946, inclusive. It will be noted that an increase was recorded for all clinics with one exception. This clinic is one in which the services are confined to the examination and treatment of children. It would be hoped that the slight decrease in new admissions to this clinic over the past three years is indicative of better control of prenatal syphilis, ophthalmia neonatorum and vulvovaginitis.

TABLE XXIV  
VENEREAL DISEASE CLINICS IN ONTARIO

Showing Patients Discontinuing Treatment Against Advice and Patients Lost in Clinics  
1945 and 1946

Year		New Admissions to Clinics	Patients Discontinuing Treatment Against Advice, or Lost	Percent
1945	Syphilis .....	1,664	471	28.3
	Gonorrhoea .....	2,355	361	15.3
	Total .....	4,019	832	20.7
1946	Syphilis .....	2,896	699	24.1
	Gonorrhoea .....	3,506	543	15.5
	Total .....	6,402	1,242	19.4

The information forwarded to the Division respecting clinic patients who discontinued treatment or were lost is given in Table XXIV. It will be noted that although the new admissions to clinics increased during the year, the relative number of patients discontinuing treatment or recorded as lost has been slightly reduced.

Plans for improving and extending clinic services are being carried forward and financial assistance in carrying out alterations to improve clinic quarters was continued. The newer therapeutic methods have been included in available medical services and study is being made of therapeutic preparations which give promise of providing earlier cure.

Grants to clinics for medical services were increased in many instances in accordance with improvement in services and increased clinic attendance. Grants for clerical assistance have now been offered and the majority of clinics have qualified for this further assistance toward the cost of clinic operation.

#### *Fever Therapy Centres:*

The Division continues to subsidize nine fever therapy centres. These centres have rendered valuable specialized service which cannot be replaced by other forms of therapy. Although one centre was forced to close temporarily due to lack of trained staff, all other centres have been active with four centres operating to capacity throughout the year. It is intended that a suitable summary of the activities of these centres will be included in the report for the coming year.

#### *Drug Distribution:*

The Division supplies to physicians and clinics a variety of therapeutic preparations used in standard therapy of syphilis. Sulphonamides and peni-

cillin are distributed to clinics only. It is required that therapeutic preparations be requisitioned on a form provided for the purpose and that the registration numbers of the cases to be treated be supplied.

TABLE XXV

MEDICATIONS DISTRIBUTED BY THE DEPARTMENT OF HEALTH  
FOR ONTARIO

1945 and 1946

MEDICATION	AMOUNT DISTRIBUTED					
	Doses		Tablets		Vials	
	1945	1946	1945	1946	1945	1946
Intravenous Arsenical.....	193,246	196,777	.....	.....	.....	.....
Oral Arsenical.....	.....	.....	20,900	24,800	.....	.....
Intramuscular Arsenical.....	1,587	2,435	.....	.....	.....	.....
Intramuscular Bismuth.....	219,164	201,510	.....	.....	.....	.....
Sulphonamide.....	.....	.....	356,000	340,500	.....	.....
Penicillin.....	.....	.....	.....	.....	7,526	21,304
Distilled Water.....	.....	.....	.....	.....	99,143	92,776

The quantities of the various preparations distributed during the year, together with the distribution for 1945, is given in Table XXV.

## F. EDUCATION

### *Public Education:*

The educational activities of the Division continued to occupy a prominent place in the programme during the year 1946. The introduction of instruction about venereal diseases into the curriculum of secondary schools was of particular importance, although the demand for literature and other materials continued to be significant and requests for loans of films and displays approximated those for the year 1945. The new 'teen-age booklet on venereal disease, entitled "Take Care of Yourself", has been well received and continues to be in great demand. Although specifically prepared for the 'teen-age group it is also having a wide distribution among adults.

An attempt has been made to ensure that the loan of films is based upon preparations to present suitable education in conjunction with film projections. Table XXVIII gives an analysis of the 422 projections of public educational films in relation to the nature of educational activities which were associated with these projections.

During the year 1946 members of our staff gave 74 public addresses on venereal diseases to an average audience attendance of 41. The audiences addressed included business, young people's, educational, church, welfare and professional groups.

TABLE XXVI  
 VENEREAL DISEASE EDUCATION IN ONTARIO

Showing Educational Aids Distributed or Loaned  
 January to December, 1946

DISPLAYS (loans).....	4
POSTERS:	
Mounted.....	323
Unmounted.....	1,121
LITERATURE:	
Victory Over Disease.....	23,294
Take Care of Yourself.....	21,516
Ontario's No. 1 Health Problem.....	15,531
Isn't She Lovely.....	14,973
Information About Two Serious Diseases.....	11,678
Miscellaneous.....	7,344
BOOKS AND BOOKLETS:	
Plan for Secondary School Instruction on the Subject of Venereal Diseases as Provided by the Department of Health for Ontario.....	478
Public Health Education in Venereal Disease Control.....	159
Summary of Public Health Educational Activity of the Division of Venereal Disease Control—January-March, 1946.....	81
Public Health Educational Activity in Industry.....	75
Planning a Community Venereal Disease Educational Programme.....	38
Miscellaneous.....	89

TABLE XXVII  
 VENEREAL DISEASE EDUCATION IN ONTARIO  
 Showing Projections of Educational Films on Venereal Disease  
 January to December, 1946

Films	Projections
Sixteen to Twenty-six.....	131
Very Dangerous.....	97
Fight Syphilis.....	81
Know for Sure.....	49
With These Weapons.....	30
Health is a Victory.....	15
Three Counties Against Syphilis.....	7
Subject for Discussion.....	6
To the People of the U.S.A.....	6
Total Projections.....	422
Average Audience Attendance.....	62

TABLE XXVIII  
 VENEREAL DISEASE EDUCATION IN ONTARIO  
 Showing Educational Activity Carried Out in Conjunction with Film Projections  
 January to December, 1946

Related Activities	Number	Percent
Addresses given, discussions held and literature distributed.....	148	35
Addresses given and literature distributed.....	141	33
Address given and discussion held.....	3	1
Discussion held and literature distributed.....	41	10
Address given.....	43	10
Discussion held.....	39	9
Literature distributed.....	7	2
Total.....	422	100

*Professional Education:*

The efforts of the Division to promote increased professional education received strong support in the recommendation of the Dominion Council of Health, that the instruction given to undergraduate and post-graduate students in medical and nursing schools be extended. Opportunity was afforded the staff of the Division to give lectures on the public health aspects of venereal disease control to the senior year medical students, post-graduate-students in public health nursing, and post-graduate students for the diploma in public health. The script of a manual on venereal diseases, for undergraduate nurses, was completed and has been forwarded to the Council of Nurse Education for consideration.

TABLE XXIX  
VENEREAL DISEASE EDUCATION IN ONTARIO

Showing Professional Addresses and Lectures\*

January to December, 1946

Group	Lectures and Addresses	Average Audience Attendance
D. P. H. Students.....	26	25
Medical Students.....	24	33
Public Health Nurses.....	21	18
Medical Groups.....	7	77
Teachers.....	2	62
Total.....	80	29

\*In conjunction with twenty of the above lectures and addresses the medical film "Syphilis" was shown.

The Bulletin of Venereal Disease Control, prepared for physicians, was published five times during the year with the following leading articles being presented:

- (i) A Psychiatric Contribution to Venereal Disease Control.
- (ii) Examination of the Spinal Fluid in Syphilis.
- (iii) Serodiagnosis of Syphilis (Part One).
- (iv) Serodiagnosis of Syphilis (Part Two).
- (v) Skin Lesions in Syphilis.

The Bulletin on Venereal Disease Control, prepared for public health personnel, was distributed periodically with the purpose of bringing to those working in the field of public health, useful information to assist them in the application of their venereal disease programme.



## MEDICAL STATISTICS BRANCH

A. H. SELLERS, M.D., D.P.H., *Director*

The Medical Statistics Branch was instituted on September 15th, 1936, with the two-fold primary objective of "enabling the Department to more adequately assess the value of the programme for cancer treatment, so heavily subsidized by the Government", and to render assistance in ensuring "a better type of approach to the problems resulting from increased hospitalization". During the pre-war years 1936 to 1939, inclusive, and through 1940 as well, it was to these questions that the attention of the Branch was primarily directed. The essential accomplishments in these two fields are set out in the annual reports for the years 1937 to 1940, inclusive.

From the outset, however, it was evident that the sphere of usefulness of the Branch could be broadened to the advantage of all Divisions and the Department as a whole. To this end, the Medical Statistics Branch assumed responsibility for the routine collection and analysis of statistical data covering the work of all Ontario (Mental) Hospitals, for the preparation of such monthly and periodic reports and studies as are required for administrative purposes, and for preparation of the Annual Report of Ontario Hospitals for Mentally Ill, Mentally Defective, Epileptic and Habituate Patients. The opportunities for useful service in the field of mental health and hospital statistics are most extensive and it cannot be said that anything more than a modest beginning has been made.

The further development of the Branch to provide a consulting service to all Divisions in the Department, covering all phases of public health statistics was visualized in 1937, and although interrupted by the War, is still the most constructive opportunity for the future. In this field the activities of the Branch have been and would be "of a co-ordinating character and the time spent in this way is most effective in assuring the best approach to a problem or the securing of the maximum out of any available data". The numerous requests for information and assistance are ample testimony of this fact.

### THE ACTIVITIES OF THE BRANCH DURING THE YEAR

The activities of the Branch were reduced to the minimum during the War period, 1940 to 1945, and with few exceptions, only the necessary routine statistical work was maintained. Development of the functions of the Branch and its personnel was completely suspended and much of what had been accomplished in these directions was lost.

During 1946, the fundamental consideration has been the re-establishment of the Branch on a reasonable basic minimum peace-time footing and a large measure of the efforts of the staff have been directed to this end. While considerably more intensive work will be required to complete the rehabilitation and re-organization of the work of this Branch, a substantial part of the ground-work has been completed, including plans for the collection and binding of official statistical reports, the handling and filing of returns, the collection and maintenance of statistical reference material, etc.

For convenience, the most important phases of the work undertaken by the Branch during the year are summarized briefly, *seriatim*, in the sections which follow.



## 1. CANCER RECORDS, REPORTS AND STATISTICS

Since its inception in 1936, responsibility for the collection, tabulation and analysis of data on the incidence and prevalence of cancer and the assessment of treatment results in Ontario Cancer Centres, has rested with the Medical Statistics Branch. To this end, this Branch devised and inaugurated in August, 1937, a complete recording and follow-up system in the seven Ontario Cancer Centres located in Windsor, London, Hamilton, Toronto, Kingston and Ottawa (2). The development of this plan was made possible in its present form only through the full co-operation and active assistance of the Directors of the Cancer Centres. The statistical phases of the plan, including the "follow-up cards" employed, were based in large measure on the National Radium Commission (Great Britain) plan. The history, examination, and treatment records, although evolved after studying the forms of cancer centres all over the world, are unique in many respects.

### *Annual Reports on Cancer Centres*

Through an arrangement between the Department and the Directors of the seven Ontario Cancer Centres, the "follow-up" record cards of all new patients applying for treatment each year are regularly forwarded to the Medical Statistics Branch for review, tabulation, and analysis. From these cards a statistical summary comprising twelve tables is prepared for each Centre. In addition, a consolidated summary covering all seven clinics is also prepared. Upon completion of this work the cards are returned to the respective Centres, for adjustment, where necessary, and for the recording of further data on follow-up and treatment. The Director of each Centre is in due course provided with a copy of the statistical summary for his Centre together with a copy of the consolidated report covering the work of all Centres combined.

This plan was continued throughout the War period and during 1946 reports on the new case experience during 1945 were prepared.

Statistical investigation is established as one of the essential lines of approach in the scientific fight against cancer. To this end, the preparation by this Branch for the Department of an "Annual Statistical Review on Cancer in Ontario" was initiated in 1937 and arrangements were made for the conduct of such special studies on cancer as were desirable or practicable. Included under this latter heading are the "Middlesex Cancer Survey" undertaken in co-operation with the Ontario Medical Association, which covered all known or diagnosed cases of cancer in that county during the calendar year 1939; and a special study of all cases of cancer treated in any public hospital in Ontario during 1937. In addition, pre-war plans also called for regular statistical analysis of the results of treatment commencing in 1942. Three of these were made in collaboration with Directors of the Ontario Cancer Centres during the war years. These studies covered respectively: cervix uteri, 1940; breast, 1941; and oral cavity, 1942. The findings of these studies were prepared and presented in some detail at special conferences but were, with one exception, not published\*.

### *Recording and Reporting Procedures*

Visits were made to four of the seven Cancer Centres during the year for the purpose of reviewing the record system and assisting in the solution of any difficulties which presented. In future, it is hoped that closer and more frequent contact with the cancer record and statistical work in all Centres can be achieved in order to ensure the maximum degree of uniformity and reliability of the

\*McCormick, N. A., *Canad. Med. Assoc. J.*, 1944, 50: 556.

recorded data for the purpose of such subsequent general statistical analysis and clinical cancer research as may be undertaken.

During 1946, a preliminary review of the present cancer recording and reporting procedure was undertaken with a view to possible amendments during 1947. Minor changes were made in some of the history and examination forms and the practice of printing of a supply of forms on special stock for "manuscript" purposes was discontinued. During 1947, a thorough review of the cancer recording system will be undertaken with a view to planning, in collaboration with the competent authorities of the Ontario Cancer Treatment and Research Foundation, a broader and more intensive utilization of the vast fund of cancer data which has been accumulated in a standardized fashion during the ten-year period 1937 (August) to 1946.

### *Cancer Morbidity Studies*

Work on both the Middlesex Cancer Survey (1939) and the Public Hospital Cancer Case Study (1937) was suspended of necessity during the years 1941 to 1945, inclusive. Much of the clerical work involved has been completed, however, and plans were made during the year to finalize the Middlesex Cancer Survey Study, for presentation and publication during 1947. The Hospital Case Study will await the earliest opportunity for similar action.

### *The Annual Statistical Reports on Cancer*

During 1946, the regular annual statistical report on cancer was re-introduced as part of the Annual Report of the Department for the first time since 1941. This Report—The Tenth Annual Statistical Report on Cancer in Ontario—covering data for the calendar year 1945, was published in the Twenty-first Annual Report of the Department for 1945, pages 87 to 102, inclusive. Two hundred copies of this Report were subsequently reprinted and distribution was made to a selected list of authorities engaged in cancer control activities throughout the world.

Plans have been drafted for the development and extension of this Report during succeeding years and a beginning is made this year by the inclusion of further data on hospitalization, duration of symptoms, and delay in treatment in the Eleventh Annual Statistical Report in Cancer for the calendar year 1946, which is presented on pages 174 to 199, inclusive, of this Report.

### *Reporting of Cancer Cases*

In November, 1946, a plan was inaugurated for the voluntary reporting of cases of *cancer or suspected cancer* in the districts of Northern Ontario served by Cancer Diagnostic Centres located at Port Arthur, Sudbury, Timmins, and Kirkland Lake. This activity is carried on jointly by the Department of Health and the Ontario Cancer Treatment and Research Foundation. Under this plan, case reports are made by physicians to the appropriate Diagnostic Centre on a special notification form designed for the purpose.

Following receipt of the notification of a case, an appropriate cancer case history form is returned to the physician by the Diagnostic Centre. When the completed history is received, the Foundation pays the physician a fee of two dollars. Provision is also made under the plan for the payment of a follow-up fee of one dollar for each annual examination.

The objectives in cancer reporting include the procurement of accurate data on the incidence of cancer, and the facilitating of early and adequate treatment and follow-up. The data secured under this reporting plan, if successful, will serve to throw some light on the incidence of diagnosed cancer (as reported) and on the need for treatment facilities for cancer in Northern Ontario.

### *Cancer Case Follow-Up*

During the year, services of the Branch were again extended to the seven Cancer Centres in the follow-up of patients after treatment. Arrangements were made for the checking of cancer deaths and for the conduct of cancer death searches.

## 2. ONTARIO MENTAL HOSPITALS STATISTICS

The Medical Statistics Branch continued to discharge its responsibility for the collection, tabulation and analysis of mental hospital statistics during the year and to further develop its programme toward making the most effective use of all recorded data.

### *Monthly Statements and Special Reports*

Regular monthly statements of movement of patient population were prepared during the year. These statements set out the changes in case load for each hospital and serve as an administrative guide for the Hospitals Division. Periodic analyses of admissions, discharges and population trends were also carried out to meet special problems as they presented. Data for these purposes were secured either from the regular monthly reports on forms 182 submitted to this Branch or from the official Annual Reports of Ontario Hospitals.

### *Annual Report of Ontario Hospitals*

During 1946, the Branch completed the preparation of the Seventy-eighth Annual Report of Ontario Hospitals for Mentally Ill, Mentally Defective, Epileptic and Habituate Patients, covering the fiscal year ending March 31st, 1945. Responsibility for supervising the printing of this Report was also assumed by this Branch. Distribution of copies was made to a mailing list of two hundred and sixty-five individuals or agencies.

In 1939, for the first time, an Annual Statistical Review of Ontario Hospital Statistics was inaugurated as part of the Annual Report of Ontario Hospitals. The objective of this Review was to present and discuss the significant highlights embodied in the numerous detailed tables included in the official report so that salient points would not be overlooked. During the War period, the scope of this Review was curtailed. During 1946, a beginning was made toward the further development and extension of this phase of the Mental Hospital statistical work with the intention of pursuing the programme originally scheduled for the previous quinquennium.

Work on the Seventy-ninth Annual Report of Ontario Hospitals, covering the fiscal year ending March 31st, 1946, was almost completed during the year, including the addition of several new features and extension of the Annual Statistical Review.

The Annual Report of Ontario Hospitals is the only one of the three annual reports for which the Department is responsible, which is still compiled on a fiscal year basis. During 1946, the possibility of placing this Report on a calendar year basis was thoroughly canvassed. Such conversion would stabilize the reporting period, facilitate comparisons of Ontario data with those for other provinces and for Canada as a whole, eliminate certain special separate returns to the Dominion Bureau of Statistics which are required to be made on a calendar year basis and, most important of all, make possible the preparation, tabulation, and publication of Ontario Hospital statistics some nine months closer to the effective date of the figures than has ever been possible heretofore.



### *Records and Reporting Procedures*

Preliminary steps were taken during the year toward revision of the statistical case cards which are completed in duplicate by Ontario Hospitals for each admission, readmission, discharge, transfer, and death. One copy of each card is sent to the Dominion Bureau of Statistics quarterly, and the other is retained by the hospital\*. This work was done in collaboration with the competent authorities of the Dominion Bureau of Statistics and the Department of National Health and Welfare. It is anticipated that revision of the statistical cards and reporting procedures will be finalized during 1947, and that the new records and report forms will be placed in the field effective January 1st, 1948.

Arrangements were completed during 1946 for the transfer to ledgers of all statistical data contained in the monthly statistical reports of Ontario Hospitals on forms 182 for the years 1932 to 1946, inclusive. When this work is completed, it will greatly facilitate the satisfaction of requests which are made for information on the patient movement in individual hospitals for selected periods. It will likewise render unnecessary the retention in active files of all monthly reports except those for the current year.

### *Mental Health Clinics*

Prior to 1942 the preparation of all Mental Health Clinic statistics was carried out by this Branch. Since 1942, each clinic has been submitting regular monthly reports on current activities and case load together with a case index card for each new patient seen. The reports serve necessary administrative requirements. The case cards are routinely filed alphabetically for reference.

Each Mental Health Clinic also submits to this Branch an Annual Statistical Report comprising eight tables, covering the essential data for administrative purposes. This plan is much the same as that followed by the Ontario Hospitals.

During 1946, the Branch prepared an annual summary covering the work of the four Mental Health Clinics for the fiscal year ending March 31st, 1946. These data will be included in the Annual Report of the Ontario Hospitals for that year.

In order to provide the basic material for a follow-up study of persons examined at a Mental Health Clinic and who were subsequently admitted to an Ontario Hospital, the checking of all first admissions and readmissions to Ontario Hospitals recorded on the Monthly Return of Movement of Population (form 182) during the period July, 1930, to December, 1942, against the alphabetic index of persons examined by Ontario Mental Health Clinics maintained by this Branch was begun in 1941. This work was completed during 1946 and the necessary data on 3,222 cases are now recorded on special index cards, including name, clinic number, date of birth, date of examination and date of first admission to hospital. Sex, interval from date of examination to date of admission (months), and age at the time of examination were also recorded on each card.

## 3. PUBLIC HOSPITAL STUDIES

During the year, initial steps were taken to bring up to date the statistics on hospitalization trends which were accumulated during the pre-war period. These data will be valuable in assessing the significance of current trends and in planning for the future. General statistics on case load, facilities and bed

\*These cards serve the dual purpose of providing the Dominion Bureau of Statistics with data necessary to prepare annual national statistics, and also afford the means by which the Ontario Hospitals prepare their own annual statistical returns to the Department.

occupancy, as well as certain financial and morbidity data are being included in the scope of this work.

The collection and interpretation of population structure statistics was also begun during 1946. Such data have a very direct bearing on the hospitalization problem even now, but will become progressively more important during the next ten-year period. A series of tables and charts depicting salient points in hospitalization trends were also prepared during the year. This material proved valuable to the Hospitals Division of the Department in assessing the current situation in respect of hospital facilities.

#### 4. SPECIAL PROBLEMS

In addition to the routine and special work in connection with mental hospitals, cancer control and public hospitals, a number of special studies were initiated and/or completed during the year. These are dealt with briefly in this section.

##### *Surveys of Nursing Personnel in Hospitals in Ontario*

During 1946, the Medical Statistics Branch assisted the Division of Nurse Registration in the conduct of three specific enquiries into the problems associated with the supply of nursing personnel in hospitals in Ontario. These enquiries were conducted largely by the questionnaire method. Tabulation and analysis of the recorded data and preparation of reports thereon were carried out by the Medical Statistics Branch.

The major investigation was launched by the Minister of Health on 24th June, 1946, and covered all public hospitals, mental hospitals and sanatoria in the Province. Its objective was to collect some basic facts regarding the supply of and demand for nurses, and to secure considered opinions and suggestions toward a solution of the nursing personnel problem.

A thirty-five page Report entitled "A Statistical Report on Nursing Personnel in Hospitals in Ontario", was released in August, 1946, and a limited distribution of two hundred copies made. This Report presented the findings of the Province-wide survey of June-July and incorporated, as well, relevant data on nurse intake and output, and nurse employment generally, derived from official sources including the Annual Reports of Schools of Nursing in Ontario, the Annual Report covering all types of hospitals in Ontario, the National Health Survey of 1943, and the decennial censuses of Canada.

The widespread interest expressed in this Report was gratifying and it is noteworthy that national figures compiled by the Canadian Nurses Association have been set up in a comparable fashion.

##### *Arthritis and Rheumatism*

In order to throw some light on the problem presented by arthritis in Public General Hospitals and in Hospitals for Incurables, all data on patients treated in such hospitals during the calendar year 1944 were transferred from records prepared by the Hospitals Division, to specially designed statistical cards for analysis. The total number of cases included in the study for the Public General Hospitals is 3,183, and for the Hospitals for Incurables—278.

When completed, this study will reflect the extent to which "arthritis", as recorded on forms 226, contributes to the total hospital case load, as well as providing useful data on the volume of cases hospitalized in the Province by age, sex, diagnosis and place of residence.



### *Industrial Morbidity*

Further studies on industrial morbidity were undertaken in co-operation with the Division of Industrial Hygiene, covering recorded experience in a moderate sized plant during a three-year peak war period. Findings of this study will be of assistance in considering a standard plan for recording, tabulating, and presenting industrial morbidity experience.

## 5. MISCELLANEOUS ACTIVITIES

Since 1938, the Branch has prepared each year a review of the chief causes of death by age. Two bulletins were formerly prepared (10A and 10B), one based on the preliminary figures published by the Dominion Bureau of Statistics, and one based on the final tabulations prepared and supplied by the Dominion Bureau of Statistics and secured through the Registrar-General of Ontario. During the War years only the final figures were used and only one report was prepared.

During 1946, copies of the Review based on final figures for 1944 were supplied to medical officers of health throughout the Province. Copies were also used in the preparation of material for health teaching which is distributed to teachers and nurses.

During December, 1946, a Report was prepared on "The Distribution of Physicians in Ontario as at July, 1946". Data contained in this Report were derived from the National Health Survey (1943) and from the "Survey of Physicians in Canada", published by the Department of National Health and Welfare earlier in the year. Copies of this Report—in effect a digest of the material contained in the parent sources—were distributed within the Department.

In collaboration with the Division of Maternal and Child Hygiene, a form was designed for the recording of the reports on medical examinations of expectant mothers conducted under Section 74 (a) of The Public Health Act.

Assistance was rendered during the year to the Hospitals Division and the Nurse Registration Branch in the designing of a comprehensive Health Record for Nursing Assistants for use in the conduct and recording of medical examinations and immunization procedures and in the recording of illness experience during the training of these personnel. An individual immunization record card (3 x 5), to be retained by the student as evidence of inoculation state, was also prepared. As a guide to the physician responsible for the immunization programme, a brief on "Immunization Procedures", incorporating all necessary instructions regarding the technique and administration of immunization procedures and the interpretation of test and inoculation results was also prepared.

Assistance was also rendered the Department of Clinical Preventive Medicine, University of Western Ontario, in connection with a study of trends in hospitalization in the fourteen counties of Western Ontario with specific reference to "the relation between the extension of hospital care plans to the present demand for and overcrowding of available hospital facilities throughout the Province".

During 1946, considerable attention was directed, in collaboration with the office of the Chief Medical Officer of Health, toward the revision of the Annual Report of the Medical Officers of Health with a view to its simplification and closer adaptation to the requirements of the local health agency and the Department alike. Consideration was also given to the routine utilization of data recorded in such reports as a basis for the development of health practice indices

for use in local health work. The problems associated with the revision and development of the Annual Report of the Medical Officer of Health are to be pursued further during 1947 with the object of introducing a new form for that year.

The Medical Statistics Branch also rendered assistance during 1946 in consideration of the problems associated with the recording of local health work. A special committee appointed to study this problem is to present a report and recommendations thereon at a conference of full-time health officers on January 3, 1947.

Preliminary action was taken during the year with a view to setting up a case recording and reporting system for consultant psychiatrists serving various "health areas" throughout the Province. An experimental trial will be given to an interim plan during 1947.

Numerous specific requests for statistical information and advice on a wide variety of topics were received and dealt with during the year. It is worthy of emphasis that a significant proportion of the service rendered by this Branch takes the form of preparing prompt and accurate replies to such enquiries. Lack of personnel still restricts the possible scope of this sort of statistical service, the value of which is recognized by all Divisions in the Department.

### ACKNOWLEDGEMENT

During the War period, the work of this Branch of necessity was seriously curtailed and only the most urgent problems could be dealt with. An effort was made, however, to preserve the basic essential interests and responsibilities as far as it was possible to do so. Much credit for success in maintaining continuity of service during those years must go to Miss Agnes Clarke, who has given ten years of valuable clerical and secretarial service to this Branch, and to Dr. C. R. Myers and to Dr. L. S. Penrose who successively served as Acting Director of the Branch (part-time) during the extended leave of absence of the Director for service with the Medical Branch of the Royal Canadian Air Force.

### THE CHIEF CAUSES OF DEATH IN ONTARIO DURING 1945

This section of the Report is devoted to a presentation of the highlights of recorded mortality experience in Ontario during 1945. The tables which are included were derived from the official tabulations of causes of death, by age and sex, prepared by the Vital Statistics Branch of the Dominion Bureau of Statistics and secured through arrangement with the Registrar-General of Ontario. The list of causes of death follows the Fifth Revision of the International List of 1938 and the figures in the tables are comparable with those of the last four years. All tables refer to deaths among residents of the Province.

#### *The Crude Mortality Picture*

The crude death rate for 1945 was 9.86 per 1,000 population. This is the lowest recorded figure to date, despite the increasing proportion of population at older ages.

In Table I are presented the twenty "chief causes"\* of death during 1945. The specific death rate per 100,000 population (all ages) and the percentage of all deaths attributed to each cause are also indicated.

\*"Chief Causes" has the force of "most frequent causes" without any other implication.

TABLE I  
CHIEF CAUSES OF DEATH—ALL AGES  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Int'l List Numbers	Number of Deaths	Specific* Death Rate	Per cent of Total Deaths
1	Diseases of the heart.....	90-95	12,669	316.4	32.1
2	Cancer (all forms).....	45-55	5,294	132.2	13.4
3	Intracranial lesions of vascular origin.....	83	4,234	105.7	10.7
4	Accidental causes.....	169-195	2,608	65.1	6.6
5	Nephritis.....	130-132	1,826	45.6	4.6
6	Pneumonia and bronchitis.....	106-109	1,769	44.2	4.5
7	Tuberculosis (all forms).....	13-22	1,015	25.3	2.6
8	Prematurity.....	159	980	24.5	2.5
9	Diabetes mellitus.....	61	954	23.8	2.4
10	Diseases of the arteries.....	96-99	855	21.4	2.2
11	Congenital malformations.....	157	696	17.4	1.8
12	Senility.....	162	361	9.0	0.9
13	Injury at birth.....	160	325	8.1	0.8
14	Hernia and intestinal obstruction.....	122	324	8.1	0.8
15	Diarrhoea, enteritis and dysentery.....	27, 119, 120	320	8.0	0.8
16	Suicides.....	163, 164	307	7.7	0.8
17	Diseases of the prostate.....	137	305	7.6	0.8
18	Ulcer of the stomach and duodenum.....	117	282	7.0	0.7
19	Influenza.....	33	260	6.5	0.7
20	Syphilis.....	30	217	5.4	0.6
TOTAL.....			35,601	8.89†	90.1
ALL OTHER CAUSES.....			3,898	0.97†	9.9
GRAND TOTAL.....			39,499	9.86†	100.0

\*Rates per 100,000 estimated population (4,004,000).

†Rates per 1,000 population.

The twenty causes listed were responsible for 35,601 deaths or 90.1 per cent of all deaths recorded during the year. There were no changes in rank of the the first six causes. The number of deaths classed to "prematurity" declined by almost ten per cent and the number of deaths attributed to diarrhoea, enteritis and dysentery was lower by 25 per cent than in 1944. The number of deaths attributed to "influenza" dropped from 434 in 1944 to 260 in 1945.

*Diseases of the Heart, Arteries and Kidneys (C.V.R.)* together contributed 19,584 deaths or 49.6 per cent of all deaths recorded during 1945. Most of these deaths occurred at ages over 70 years (Tables II and III). The striking increase in recorded deaths from these causes in the last thirty years is largely, if not entirely, spurious. Older age structure of the population, transfer of many deaths from senility and ill-defined causes, and changes in certification have all contributed to the *apparent* increase.

*Cancer (all forms)* ranked second among the chief causes with 5,294 deaths or 13.4 per cent of total deaths during the year. The specific death rate (132 per 100,000 population) remained the same as in 1944. Further discussion of some aspects of the current cancer mortality picture is included in the Eleventh Annual Statistical Report on Cancer which appears on pages 174 to 197 of this Report.



*Accidental Causes* again ranked fourth among the chief causes of death. A total of 2,608 deaths or 6.6 per cent of all deaths were attributed to "accidental causes" during 1945, compared with 2,530 or 6.3 per cent of all deaths in 1944.

*Tuberculosis* mortality reached a new low point in 1945 with 1,015 deaths—a rate of 25.3 per 100,000 population compared with a rate of 26.9 in 1944. This rate is half of what it was in 1931 and almost 30 per cent below the rate for 1937. It is noteworthy, however, that three-fifths of all deaths attributed to tuberculosis still fall at ages under 50 years (Table III).

It is important to regard Table I as presenting merely the *crude* mortality picture for the year. The public health significance of any cause in this table requires a more detailed examination of the individual diseases and conditions which are included in certain of the cause-groups (e.g. accidental causes) and also a careful consideration of the age distribution of the deaths so classified.

### *Causes of Death by Age*

Tables II and III afforded an opportunity of making a practical appraisal of the significance of each of the principal causes of death listed in Table I.

Table II provides a summary of the distribution by age of the twenty principal causes of death in Ontario during 1945. The age-groups included in this table were selected deliberately for the purpose of reflecting the mortality experience in age-bands which are of particular general interest.

Table III shows, for each of the twenty principal causes of death included in Table I, the proportion of all deaths from each cause which had occurred by a given age. For instance 0.7 per cent of all cancer deaths recorded during the year occurred in children under 15 years of age, 14.3 per cent among persons under 50 years of age, etc.

### *Chief Causes of Death in Selected Age-groups*

In Tables IV and V are presented the eight leading causes of death in each of eight age groups—infancy, 1-4 years, 5-14 years, 15-19 years, 20-49 years, 50-59 years, 60-69 years, and 70 years and over. These tables supplement the data included in Tables II and III and focus attention on those individual causes or groups of causes which are important in each of the selected age-bands. For each age-group, the actual number of recorded deaths attributed to each cause, and the percentage of all deaths contributed to the total by each cause, are shown.

*Infancy*—The eight chief causes of death during the first year of life for 1945 are presented in Table IV. In this table, the number of deaths is given for each cause, together with the percentage of all infant deaths which were attributed to each cause, and the infant mortality rate per 1,000 live births for 1945 and for 1944.

TABLE II  
CHIEF CAUSES OF DEATH BY AGE GROUPS  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Age Groups (years)										ALL AGES
		Under 1	1-4	5-14	15-19	20-49	50-59	60-69	70 & over	N.S.		
1	Diseases of the heart.....	—	6	18	18	900	1,637	3,010	7,064	16	12,669	
2	Cancer (all forms).....	3	13	22	12	707	968	1,507	2,060	2	5,294	
3	Intracranial lesions of vascular origin.....	12	3	5	5	169	438	938	2,660	4	4,234	
4	Accidental causes.....	105	165	224	131	689	227	287	774	13	2,608	
5	Nephritis.....	2	7	13	13	205	231	353	1,002	—	1,826	
6	Pneumonia and bronchitis.....	379	93	27	12	129	121	219	789	—	1,769	
7	Tuberculosis (all forms).....	9	31	39	60	501	158	132	83	2	1,015	
8	Prematurity.....	980	—	—	—	—	—	—	—	—	980	
9	Diabetes mellitus.....	—	1	3	8	68	159	300	415	—	954	
10	Diseases of the arteries.....	1	—	—	2	20	33	84	715	—	855	
11	Congenital malformations.....	606	37	19	7	18	6	3	—	—	696	
12	Senility.....	—	—	—	—	—	—	6	355	—	361	
13	Injury at birth.....	325	—	—	—	—	—	—	—	—	325	
14	Hernia and intestinal obstruction.....	—	5	7	6	45	46	64	149	2	324	
15	Diarrhoea, enteritis and dysentery.....	218	28	1	3	26	5	8	31	—	320	
16	Suicides.....	—	—	—	7	151	59	60	29	1	307	
17	Diseases of the prostate.....	—	—	—	—	2	6	67	230	—	305	
18	Ulcer of the stomach and duodenum.....	—	—	—	—	55	59	92	76	—	282	
19	Influenza.....	55	25	5	6	18	19	24	108	—	260	
20	Syphilis.....	20	1	1	—	47	62	54	32	—	217	
	TOTAL.....	2,715	415	384	290	3,750	4,227	7,208	16,572	40	35,601	
	ALL OTHER CAUSES.....	494	158	162	101	1,013	465	587	914	4	3,898	
	GRAND TOTAL.....	3,209	573	546	391	4,763	4,692	7,795	17,486	44	39,499	



TABLE III  
PERCENTAGE OF DEATHS OCCURRING BY A GIVEN AGE  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Percentage of Deaths at Ages Under							TOTAL NUMBER OF DEATHS
		1	5	15	20	50	60	70	
1	Diseases of the heart.....	0	0.0	0.2	0.3	7.4	20.4	44.1	12,669
2	Cancer (all forms).....	0.1	0.3	0.7	0.9	14.3	32.6	61.1	5,294
3	Intracranial lesions of vascular origin.....	0.3	0.4	0.5	0.6	4.6	14.9	37.1	4,234
4	Accidental causes.....	4.0	10.4	18.9	24.0	50.4	58.8	69.8	2,608
5	Nephritis.....	0.1	0.5	1.2	1.9	13.1	25.8	45.1	1,826
6	Pneumonia and bronchitis.....	21.4	26.7	28.2	28.9	36.2	43.0	55.4	1,769
7	Tuberculosis (all forms).....	0.9	3.9	7.8	13.7	63.1	78.6	91.6	1,015
8	Prematurity.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	980
9	Diabetes mellitus.....	0	0.1	0.4	1.3	8.4	25.1	56.5	954
10	Disease of the arteries.....	0.1	0.1	0.1	0.4	2.7	6.5	16.4	855
11	Congenital malformations.....	87.1	92.4	95.1	96.1	98.7	99.6	100.0	696
12	Senility.....	0	0	0	0	0	0	1.7	361
13	Injury at birth.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	325
14	Hernia and intestinal obstruction.....	0	1.5	3.7	5.6	19.4	33.6	53.4	324
15	Diarrhoea, enteritis and dysentery.....	68.1	76.9	77.2	78.1	86.3	87.8	90.3	320
16	Suicides.....	0	0	0	2.3	51.5	70.7	90.2	307
17	Diseases of the prostate.....	0	0	0	0	0.7	2.6	24.6	305
18	Ulcer of the stomach and duodenum.....	0	0	0	0	19.5	40.4	73.0	282
19	Influenza.....	21.2	30.8	32.7	35.0	41.9	49.2	58.5	260
20	Syphilis.....	9.2	9.7	10.1	10.1	31.8	60.4	85.3	217
TOTAL.....		7.6	8.8	9.9	10.7	21.2	33.1	53.3	35,601
ALL OTHER CAUSES.....		12.7	16.7	20.9	23.5	49.5	61.4	76.4	3,898
GRAND TOTAL.....		8.1	9.6	11.0	11.9	24.0	35.9	55.6	39,499

TABLE IV  
CHIEF CAUSES OF DEATH DURING INFANCY\*  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Deaths in Age Group	Per cent of Deaths in Age Groups due to Specified Cause	Specific Death Rate per 100,000 Live Births	
				1945	1944
1	Prematurity.....	980	30.5	1,241	1,376
2	Congenital malformations.....	606	18.9	767	671
3	Pneumonia and bronchitis.....	379	11.8	480	439
4	Injury at birth.....	325	10.1	412	416
5	Other diseases peculiar to early infancy.....	242	7.5	306	413
6	Diarrhoea, enteritis and dysentery.....	218	6.8	276	295
7	Accidental causes.....	105	3.3	133	105
8	Congenital debility.....	70	2.2	89	103
	Other causes.....	284	8.9	360	450
TOTAL.....		3,209	100.0	4,064	4,268

\*First year of life.

During 1945, a total of 3,209 deaths occurred among infants under one year of age. This is a rate of 40.6 per 1,000 live births compared with 42.7 per 1,000 live births in 1944.

Prematurity, congenital malformations, and pneumonia were the three leading causes of death. A total of 980 infant deaths or 30.5 per cent of the total deaths under one year of age, were attributed to prematurity during 1945. These figures are both slightly lower than those for 1944. On the contrary, deaths classed to congenital malformations and to pneumonia and bronchitis both showed a slight increase. Deaths attributed to diarrhoea enteritis and dysentery decreased in number from 326 to 218. A total of 105 deaths among infants under one year were classified to accidental causes.

Data on the eight chief causes in selected age-groups at ages one year and over are presented in Table V. For each age-group, the actual number of recorded deaths attributed to each cause, and the percentage of all deaths contributed by each cause are shown.

TABLE V  
CHIEF CAUSES OF DEATH AFTER INFANCY  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Deaths in Age Groups	Per cent of Deaths in Age Groups due to Specified Cause
Ages—1-4 years:			
1	Accidental causes.....	165	28.8
2	Pneumonia and bronchitis.....	93	16.2
3	Congenital malformations.....	37	6.5
4	Tuberculosis (all forms).....	31	5.4
5	Diarrhoea, enteritis and dysentery.....	28	4.9
6	Influenza.....	25	4.3
7	Appendicitis.....	15	2.6
8	Cancer (all forms).....	13	2.3
	Other causes.....	166	29.0
TOTAL.....		573	100.0

TABLE V (Continued)

## CHIEF CAUSES OF DEATH AFTER INFANCY

ONTARIO, 1945

Rank	CAUSE OF DEATH	Deaths in Age Groups	Per cent of Deaths in Age Groups due to Specified Cause
	Ages—5-14 years:		
1	Accidental causes.....	224	41.0
2	Tuberculosis (all forms).....	39	7.1
3	Pneumonia and bronchitis.....	27	4.9
4	Cancer (all forms).....	22	4.0
5	Diarrhoea, enteritis and dysentery.....	22	4.0
6	Congenital malformations.....	19	3.5
7	Diseases of the heart.....	18	3.3
8	Diphtheria.....	18	3.3
	Other causes.....	157	28.8
	TOTAL.....	546	100.0
	Ages—15-19 years:		
1	Accidental causes.....	131	33.5
2	Tuberculosis (all forms).....	60	15.4
3	Diseases of the heart.....	18	4.6
4	Appendicitis.....	14	3.6
5	Nephritis.....	13	3.2
6	Cancer (all forms).....	12	3.1
7	Pneumonia and bronchitis.....	12	3.1
8	Diabetes mellitus.....	8	2.0
	Other causes.....	123	31.5
	TOTAL.....	391	100.0
	Ages—20-49 years:		
1	Diseases of the heart.....	900	18.9
2	Cancer (all forms).....	707	14.8
3	Accidental causes.....	689	14.5
4	Tuberculosis (all forms).....	501	10.5
5	Nephritis.....	205	4.3
6	Intracranial lesions of vascular origin.....	169	3.5
7	Puerperal state.....	164	3.4
8	Pneumonia and bronchitis.....	129	2.7
	Other causes.....	1,299	27.3
	TOTAL.....	4,763	100.0
	Ages—50-59 years:		
1	Diseases of the heart.....	1,637	34.9
2	Cancer (all forms).....	968	20.6
3	Intracranial lesions of vascular origin.....	438	9.3
4	Nephritis.....	231	4.9
5	Accidental causes.....	220	4.7
6	Diabetes mellitus.....	159	3.4
7	Tuberculosis (all forms).....	158	3.4
8	Pneumonia and bronchitis.....	121	2.6
	Other causes.....	760	16.2
	TOTAL.....	4,692	100.0

TABLE V (Concluded)  
CHIEF CAUSES OF DEATH AFTER INFANCY  
ONTARIO, 1945

Rank	CAUSE OF DEATH	Deaths in Age Groups	Per cent of Deaths in Age Groups due to Specified Cause
	Ages—60-69 years:		
1	Diseases of the heart.....	3,010	38.6
2	Cancer (all forms).....	1,507	19.3
3	Intracranial lesions of vascular origin.....	938	12.0
4	Nephritis.....	353	4.5
5	Diabetes mellitus.....	300	3.8
6	Accidental causes.....	287	3.7
7	Pneumonia and bronchitis.....	219	2.8
8	Tuberculosis (all forms).....	132	1.7
	Other causes.....	1,049	13.5
	TOTAL.....	7,795	100.0
	Ages—70 years and over:		
1	Diseases of the heart.....	7,064	40.4
2	Intracranial lesions of vascular origin.....	2,660	15.2
3	Cancer (all forms).....	2,060	11.8
4	Nephritis.....	1,002	5.7
5	Pneumonia and bronchitis.....	789	4.5
6	Accidental causes.....	774	4.4
7	Diseases of the arteries.....	715	4.1
8	Diabetes mellitus.....	415	2.4
	Other causes.....	2,007	11.5
	TOTAL.....	17,486	100.0

An examination of the data included in Table III affords a useful picture of the principal causes responsible for death in the age-groups shown.

*Pre-School Ages*—At pre-school ages, 1-4 years, accidental causes continued to rank first as a cause of death, being responsible for 28.8 per cent of the 573 deaths at these ages during 1945. Pneumonia and bronchitis ranked second with 16.2 per cent of all deaths. These two groups thus contributed 45 per cent of all deaths among pre-school children. Tuberculosis was responsible for 31 deaths, diarrhoea, enteritis and dysentery for 28, and appendicitis for 15.

*School Ages*—In the school-age period, 5-14 years, accidental causes was by far the most important group. In 1945, 224 deaths or 41.0 per cent of the 546 deaths at these ages, were classified to accidental causes. This is a substantial increase in the contribution of accidents to childhood mortality compared with the record for 1944 and 1943 when 39.4 per cent and 33.7 per cent respectively of all deaths at ages 5-14 years were attributed to accidental causes. Tuberculosis contributed 39 deaths, pneumonia 27, cancer 22, and diseases of the heart 18 deaths. It is noted that 18 deaths were attributed to diphtheria at these ages during 1945.

*Adolescence*—At ages 15-19 years, accidental causes still ranks first. In 1945, a total of 131 deaths or 33.5 per cent of all deaths in this group were attributed to accidental causes. Tuberculosis ranked second with 60 deaths. Together these two causes accounted for 48.9 per cent of all deaths at ages 15-19 years.

*Ages 20-49 Years*—The volume of mortality from heart disease and cancer at ages 20-49 years commands interest. These two causes contributed 1,607 or 33.7 per cent of the 4,763 deaths recorded at these ages during the year. Accidental causes were responsible for 689 deaths or 14.5 per cent of the total. The relative importance of tuberculosis as a cause of death among persons age 20-49 years continues to decline, but 501 deaths or 10.5 per cent of all deaths were so classified during 1945. It is noteworthy that 49.4 per cent of all deaths attributed to tuberculosis during the year, occurred among persons in this age-group (Table III).

*Ages 50 Years and Over*—Among persons at ages 50-69 years, diseases of the heart, arteries and kidneys top the list with cancer in second position. At these ages one death in every five in 1945 was attributed to cancer. Accidental causes, diabetes mellitus, pneumonia and bronchitis, and tuberculosis follow in order. In the age-group 70 years and over, two-thirds of all deaths were classed to C.V.R. disease followed in importance by cancer, pneumonia, accidents, and diabetes mellitus.

#### *New Records Established in 1945*

The vital records of Ontario for 1945 indicate further gains of significance for the public health. These include the following:

- (a) A new low in the crude death rate—9.9 per 1,000 population.
- (b) A new low in the maternal mortality rate—2.2 per 1,000 live births.
- (c) A new low in the tuberculosis death rate—25.3 per 100,000 population.
- (d) An infant mortality rate within half a point of the all-time low of 1942.

This resume of the recorded mortality experience in Ontario during 1945 is designed merely to provide a few highlights. The observations made can be supplemented by perusal of the data included in the statistical tables, or by reference to the original data contained in the Registrar-General's Annual Report for Ontario for 1945.



## THE ELEVENTH ANNUAL STATISTICAL REPORT ON CANCER CALENDAR YEAR—1946

Prepared by the Medical Statistics Branch

This Report, The Eleventh Annual Statistical Report on Cancer in Ontario, includes a brief review of important developments during the year, a discussion of the highlights presented by the recorded cancer mortality data and a statistical summary of the work of the Ontario Cancer Centres during 1946.

During the years 1940 to 1945, statistical analysis of cancer clinic experience was seriously restricted and the original statistical programme suspended. Annual reports were regularly prepared during this period but those for the years 1941 to 1944, inclusive, were not published and they were all limited almost entirely to a summary of new cases treated during the year and provided a bare minimum of data. The plan to conduct detailed analyses of survival following treatment, commencing in 1942, was likewise deferred, although special studies of three groups of cases were made in 1940, 1942 and 1943 covering cases of cervix uteri, breast, and oral cavity, respectively. These studies have never been formally published.

On this occasion a beginning has been made toward extending the scope of the section of the Report devoted to the Ontario Cancer Centres by the inclusion of some information on hospitalization, duration of symptoms and delay in treatment. In future, considerably more data of this nature will be forthcoming along the lines originally intended with a view to making effective use of the great wealth of information on some 20,000 cases of cancer which has, to date, been accumulated in the seven Cancer Centres.

### SECTION I—CANCER MORBIDITY STUDIES

Still the greatest need in the field of cancer control is a reasonably accurate estimate of the incidence or prevalence of cancer in any community. Mortality data, however accurate, can never meet this need. The studies of cancer morbidity which were initiated in 1938 and 1939 (see earlier reports) were deferred indefinitely in 1940. This work was revived during 1946 with a view to the preparation of reports thereon during 1947. When finalized, these reports will afford useful information on cancer which is not yet available in Ontario and provide a basis from which further extended studies can be pursued.

In October, 1946, the reporting of cancer or suspected cancer was initiated on a voluntary basis in certain sections of Northern Ontario. Reporting is effected through the practising physicians in areas served by Diagnostic Centres sponsored by the Ontario Cancer Treatment and Research Foundation. All case reports are transmitted through the five Diagnostic Centres to the Medical Statistics Branch. Upon completion of the necessary case records the reporting physician is paid a fee of two dollars by the Foundation. The Medical Statistics Branch is responsible for the tabulation of statistical data on reported cases and for the indexing of the cases for future follow-up reference. A tentative simple plan, subject to revision with experience, was placed in operation during November, 1946.

This reporting plan is in the nature of an experiment. If it succeeds it will provide a valuable source of information on the incidence of known or diagnosed cancer and afford a measure of the cancer problem in the districts served by the

Diagnostic Centres and the extent to which facilities for diagnosis, treatment and hospitalization are required. Cancer is not as yet a reportable disease in Ontario.

## SECTION II—CANCER MORTALITY IN ONTARIO

Considerable attention continues to be focussed on the part played by cancer as a cause of death. The recorded volume of deaths attributed to cancer in Ontario during the twenty-year period 1926-1945 is presented in Table A. The relationship between total deaths from all causes and cancer deaths is also indicated.

TABLE A  
RECORDED CANCER MORTALITY  
ONTARIO, 1926-1945

YEAR	Total Deaths All Causes	Cancer Deaths	Per Cent of Total Deaths	Crude* Death Rate
1926.....	35,909	3,116	8.7	99
1927.....	34,775	3,117	9.1	100
1928.....	37,128	3,441	9.3	107
1929.....	38,123	3,402	8.9	104
1930.....	37,313	3,635	9.7	110
1931.....	35,705	3,726	10.4	109
1932.....	36,436	3,825	10.5	110
1933.....	35,301	4,044	11.5	115
1934.....	35,105	4,034	11.5	113
1935.....	36,317	4,214	11.6	117
1936.....	37,571	4,441	11.3	120
1937.....	38,475	4,547	11.8	122
1938.....	36,890	4,472	12.1	120
1939.....	37,530	4,567	12.2	121
1940.....	38,503	4,847	12.6	128
1941.....	39,226	4,931	12.6	130
1942.....	39,119	5,005	12.8	131
1943.....	41,063	5,193	12.6	133
1944.....	39,781	5,236	13.2	132
1945.....	39,499	5,294	13.4	132

\*Rate per 100,000 estimated population, all ages.

The absolute number of cancer deaths has nearly doubled since 1926. The proportion of all deaths attributed to this cause has risen from 8.7 per cent in 1926 to 13.4 per cent in 1945. The crude cancer death rate has shown a steady increase from 99 deaths per 100,000 population in 1926 to 132 deaths per 100,000 population in 1945. It is noteworthy that there has been little change in the recorded crude cancer death rate in the last five years.

It is important that the limitations of these crude data as an index in the trend in cancer mortality should be realized. The recorded increase in the volume of cancer deaths and in the crude cancer death rate do not necessarily reflect a true increase in the incidence, prevalence or mortality from cancer. In fact, correction for changes in the age distribution of the population by sex, alone eliminates a large part of the observed increase. Improvement in the quality of medical certification and the increasing attention given to cancer may account for much of the increase which remains.

### *Site of Disease*

Substantial variations in "organ incidence" by sex, exist in cancer mortality. An appreciation of these variations is important in interpreting the problem and

in assessing the degree of control which can be exercised with available methods and facilities.

The distribution of cancer deaths in Ontario, by site and sex, for the five year period 1941-1945, is presented in Table B.

TABLE B  
CANCER DEATHS BY SEX AND SITE OF DISEASE  
ONTARIO, 1941-1945

SITE OF DISEASE	Males		Females		Both Sexes	
	Deaths	Per Cent of Total	Deaths	Per Cent of Total	Deaths	Per Cent of Total
Stomach and duodenum.....	2,714	22.0	1,579	11.9	4,293	16.7
Other digestive tract.....	4,050	32.8	4,116	30.9	8,166	31.8
Genital organs.....	1,422	11.5	2,737	20.6	4,159	16.2
Breast.....	31	0.3	2,735	20.5	2,766	10.8
Buccal cavity and pharynx.....	676	5.5	175	1.3	851	3.3
Urinary organs.....	950	7.7	492	3.7	1,442	5.6
Respiratory organs.....	1,165	9.4	411	3.1	1,576	6.2
Skin.....	275	2.2	134	1.0	409	1.6
Other and unspecified sites.....	1,064	8.6	933	7.0	1,997	7.8
TOTAL.....	12,347	100.0	13,312	100.0	25,659	100.0

Cancer of the digestive tract (including oesophagus, stomach, intestines, rectum, liver and pancreas, etc.) accounted for 12,459 or 48.5 per cent of the 25,659 deaths attributed to cancer during this five-year period. Among men, the principal single site of importance is stomach and duodenum, accounting for 22.0 per cent of all male cancer deaths during the period. Among women, the individual site of leading importance is breast, accounting for 20.5 per cent of all the female deaths attributed to cancer. The ratios of male to female mortality show striking differences. Male excesses for stomach, buccal cavity, urinary organs, respiratory system and skin are of note.

Cancer cases which are particularly amenable to treatment, including cancer of the genital organs, breast, buccal cavity and skin, comprise 31.9 per cent of all cancer deaths. This group contributed 43.4 per cent of the cancer deaths among women during the period.

#### *Cancer as a Cause of Death at Selected Ages*

The recorded mortality from cancer in selected age groups is set out in Table C. These data are of interest in interpreting the cancer problem.

TABLE C  
CANCER AS A CAUSE OF DEATH BY AGE  
ONTARIO, 1945

AGE GROUP	Cancer Deaths	Per Cent of All Deaths	Rank as a Cause of Death	Specific* Death Rate	Per Cent of All Deaths from Cancer
0-19.....	50	1.1	.....	3.8	0.9
20-49.....	707	14.8	Second	39.8	13.4
50-59.....	968	20.6	Second	227.9	18.3
60-69.....	1,507	19.3	Second	514.5	28.5
70 and over....	2,062	11.8	Third	1,026.4	38.9
TOTAL.....	5,294	13.4†	Second	132.2	100.0

\*Per 100,000 estimated population (4,004,000).

†Total deaths in 1945 were 39,499.

Of the 39,499 recorded deaths in Ontario during 1945, 5,294 or 13.4 per cent were attributed to cancer. This disease ranked second as a cause of death in the age groups 20-49, 50-59 and 60-69 years, being exceeded only by deaths attributed to heart disease. At ages 50-69 years, one death in every five was attributed to cancer.

It is noteworthy that 85.7 per cent of all recorded cancer deaths during the year, occurred among persons 50 years of age or over. On the other hand, nearly 15 per cent of the deaths occurred among persons under the age of 50 years and about one-third among persons under the age of 60 years.

*Deaths from Cancer of Accessible Sites at Ages under 70 Years*

The deaths attributed to cancer of the so-called "accessible" sites at ages under 70 years in Ontario during 1945, are set out, by sex, in Table D.

TABLE D  
"ACCESSIBLE" CANCER MORTALITY AT AGES UNDER 70 YEARS  
ONTARIO, 1945

SITE	Males		Females	
	Deaths	Per Cent	Deaths	Per Cent
Oral cavity.....	59	4.1	19	1.1
Breast.....	4	0.3	410	23.0
Uterus.....	—	0	340	19.0
Skin.....	19	1.3	12	0.7
SUB-TOTAL.....	82	5.7	781	43.8
OTHER SITES.....	1,365	94.3	1,004	56.2
TOTAL.....	1,447	100.0	1,785	100.0

In 1945, a total of 1,240 deaths were attributed to cancer of breast, uterus, oral cavity and skin. This is 23 per cent of all cancer deaths during that year. Of these 1,240 deaths, 863 or 70 per cent were among persons under the age of 70 years, and of these 863 deaths, 90 per cent were among women.

The data in Table D show that of the 1,447 recorded cancer deaths among males under the age of 70 years in 1945, only 82 or 5.7 per cent were due to cancer of the specified sites. In contrast, of the 1,785 recorded cancer deaths among women at ages under 70 years, 781 or 43.8 per cent were in the "accessible" group—breast contributing 23.0 per cent and uterus 19.0 per cent.

SECTION III—THE WORK OF THE ONTARIO CANCER CENTRES DURING 1946

In the following sections there is presented an analysis of the work of the seven Ontario Cancer Centres during the calendar year 1946, together with certain supplementary data derived from the case records. The tabulations throughout were made by the Medical Statistics Branch from data recorded on the individual "follow-up" cards for all new cases admitted to the Ontario Cancer Centres during the year 1946. This year, in addition to the usual tables by age, sex, site of disease and method of treatment, supplementary tables dealing with special features not regularly reported upon have been added.

The volume of new cases on record and new cases treated in each of the seven Centres during 1946 is shown in Table 1.



TABLE 1  
NEW CASES ADMITTED—BY CENTRE

CENTRE	Cancer Cases						Non-Cancer Cases†	Total New Patients Treated
	On Record			Treated*				
	Private	Public	Total	Private	Public	Total		
Hamilton....	439	54	493	434	53	487	649	1,136
Kingston....	239	48	287	220	40	260	541	801
London.....	382	87	469	378	86	464	754	1,218
Ottawa (C)...	330	77	407	317	73	390	368	758
Ottawa (G)..	174	41	215	124	25	149	262	411
Toronto.....	631	749	1,380	596	709	1,305	798	2,103
Windsor.....	276	45	321	246	34	280	204	484
TOTAL....	2,471	1,101	3,572	2,315	1,020	3,335	3,576	6,911

\*Treated by any method or combination. Includes cases treated by surgery alone, but excludes palliative surgery.

†Non-malignant tumours and non-neoplastic diseases.

A total of 3,572 new cases of cancer\* were recorded during the year. This is an increase of 502 cases or 16.4 per cent over 1945. Of the 3,572 cases admitted, 3,335 cases or 93.4 per cent received treatment; the remainder (237) were not treated for one or another reason. In addition, 3,576 patients were treated for benign tumours and non-neoplastic diseases. The total number of patients treated in the seven Centres amounted to 6,911 patients, an increase of 601 patients over the previous year.

As in past years, the number of private patients exceeded the number of public patients, the ratio being 2.2 to 1. The variations in this ratio among the Centres are probably accounted for largely by differences in the definition of a "public" patient. Public patients, as designated, comprised 31 per cent of the new cases treated during the year.

The distribution of the 3,572 new cases during the year, by site of disease, in broad groups, is given in Table 2.

Comparison of the total number of cases for each site, with those in the 1945 report, shows an increase for each site group in the number of cases admitted. Cases of cancer of the rectum show the largest percentage increase over 1945 (36 per cent). Cancer of the air passages was second with an increase of 29 per cent, and cancer of oral cavity third with an increase of 22 per cent. Other increases were: breast—11 per cent, and uterus—20 per cent. Cases of cancer of breast, uterus and oral cavity accounted for 43.9 per cent of all new cases recorded during the year.

A comparison of the volume of new cases treated by radiotherapy (alone or in combination with other methods) in each Centre, during the five-year period 1942-1946 inclusive, is given in Table 3.

\*Cancer includes leukaemia and Hodgkin's disease.



TABLE 2  
NEW CANCER CASES ADMITTED BY SITE OF DISEASE

CENTRE	Breast		Uterus		Oral Cavity		Air Passages		Rectum		Other Sites		TOTAL	
	Private	Public	Private	Public	Private	Public	Private	Public	Private	Public	Private	Public	Private	Public
Hamilton.....	111	5	76	6	33	5	4	—	3	—	212	38	439	54
Kingston.....	34	8	21	11	32	5	2	—	7	1	143	23	239	48
London.....	57	22	47	6	56	11	7	—	13	2	202	46	382	87
Ottawa (C)....	68	11	27	17	39	13	8	5	7	—	181	31	330	77
Ottawa (G)....	33	4	21	7	22	6	2	—	15	2	81	22	174	41
Toronto.....	116	106	36	160	97	115	18	26	11	14	353	328	631	749
Windsor.....	50	6	32	3	29	3	4	—	20	4	141	29	276	45
TOTAL.....	469	162	260	210	308	158	45	31	76	23	1,313	517	2,471	1,101
TOTAL BY SITE..	631		470		466		76		99		1,830		3,572	
PER CENT.....	17.7		13.2		13.0		2.1		2.8		51.2		100.0	

TABLE 3  
NEW CANCER CASES TREATED BY RADIOTHERAPY\*  
1942-1946

CENTRE	Private					Public					TOTAL				
	1942	1943	1944	1945	1946	1942	1943	1944	1945	1946	1942	1943	1944	1945	1946
Hamilton.....	271	271	294	312	410	59	43	40	47	52	330	314	334	359	462
Kingston.....	117	130	150	164	178	43	41	33	24	33	160	171	183	188	211
London.....	161	192	260	300	350	78	57	75	74	77	239	249	335	374	427
Ottawa Civic.....	152	173	188	234	299	59	53	47	43	65	211	226	235	277	364
Ottawa General.....	55	32	34	47	63	35	11	21	4	22	90	43	55	51	85
Toronto.....	540	582	619	612	546	501	551	571	596	653	1,041	1,133	1,190	1,208	1,199
Windsor.....	161	172	215	178	233	29	30	26	23	32	190	202	241	201	265
TOTAL.....	1,457	1,552	1,760	1,847	2,079	804	786	813	811	934	2,261	2,338	2,573	2,658	3,013

\*Alone or in combination with surgery or other methods.  
Cases treated by surgery alone, cases not treated and recurrences are excluded.

The total number of new cases treated by radiotherapy in 1946 (excluding recurrences) was 3,013. This is an increase of 355 cases or 13 per cent over 1945. All Centres showed an increase except Toronto, in which there was a slight reduction. The recorded increases for each Centre were: Hamilton, 29 per cent; Kingston, 12 per cent; London, 14 per cent; Ottawa Civic, 31 per cent; Ottawa General, 67 per cent and Windsor, 32 per cent.

A summary of the number of cases treated during the year, by site of disease and status, is given in Table 4, the number of patients who were reported alive at December 31, 1946, being indicated in each case.

TABLE 4  
NEW CASES TREATED BY SITE OF DISEASE

SITE OF DISEASE	Private		Public		Total		GRAND TOTAL	
	Alive*	Dead	Alive*	Dead	Alive*	Dead	Num-ber	Per Cent
Breast.....	420	24	137	18	557	42	599	18.0
Cervix uteri.....	167	15	144	23	311	38	349	10.5
Body of uterus.....	62	6	26	4	88	10	98	2.9
Lip.....	197	1	59	2	256	3	259	7.8
Tongue.....	21	1	33	7	54	8	62	1.9
Other oral†.....	67	5	47	4	114	9	123	3.7
Air sinuses.....	—	1	3	4	3	5	8	0.2
Larynx.....	23	4	9	2	32	6	38	1.1
Other air passages.....	12	3	8	5	20	8	28	0.8
Rectum and anus.....	58	7	14	6	72	13	85	2.6
Skin.....	666	1	206	7	872	8	880	26.4
Vagina.....	6	2	7	3	13	5	18	0.5
Ovary.....	52	9	13	6	65	15	80	2.4
Bone.....	11	6	1	1	12	7	19	0.6
Other digestive tract..	31	16	11	7	42	23	65	1.9
Other sites‡.....	343	78	148	55	491	133	624	18.7
TOTAL.....	2,136	179	866	154	3,002	333	3,335	100.0

\*As of December 31st. 1946 (reported).

†Including buccal surface of cheek, tonsil, etc.

‡Comprising leukaemia, Hodgkin's disease, etc.

These data indicate that 71.2 per cent of the new cases treated by radiotherapy or surgery or both (including recurrences) had cancer of the so-called "accessible" sites (breast, uterus, oral cavity and skin). This figure is much the same as it has been in previous years. Skin cases comprised 26.4 per cent of all cases treated during the year, breast cases comprised 18.0 per cent and cervix uteri, 10.5 per cent.

Among males, "accessible" cancer contributed 64 per cent of new cases treated, while among females, these sites (breast, uterus, oral cavity and skin) were responsible for 77 per cent of the total number of new treated cases.

#### *New Cases Treated—By Site and Centre of Treatment*

The distribution of new treated cancer cases by Centre, by site of disease and by status, is given in Table 5.

TABLE 5  
NEW CASES TREATED\* BY SITE CENTRE AND STATUS

SITE OF CANCER	Hamilton		Kingston		London		Ottawa (C)		Ottawa (G)		Toronto		Windsor		TOTAL		
	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Priv.	Pub.	Total
Breast.....	109	5	32	8	56	21	65	10	32	4	104	101	46	6	444	155	599
Cervix uteri.....	53	6	14	10	32	6	22	12	16	6	23	124	22	3	182	167	349
Body of uterus.....	23	—	5	1	15	—	5	5	2	—	9	24	9	—	68	30	98
Lip.....	17	1	19	2	46	5	22	5	14	3	62	44	18	1	198	61	259
Tongue.....	5	2	2	1	3	1	4	2	2	1	4	32	2	1	22	40	62
Other oral†.....	11	2	10	2	7	5	11	5	3	1	23	35	7	1	72	51	123
Air passages‡.....	4	—	2	—	7	—	8	5	1	—	17	26	4	—	43	31	74
Rectum and anus.....	3	—	5	—	13	2	6	—	9	1	10	13	19	4	65	20	85
Skin.....	98	28	78	6	137	28	103	11	8	1	179	131	64	8	667	213	880
Ovary.....	15	1	3	—	4	1	10	—	—	—	24	16	5	1	61	19	80
Other sites§.....	96	8	50	10	58	17	61	18	37	8	141	163	50	9	493	233	726
TOTAL.....	434	53	220	40	378	86	317	73	124	25	596	709	246	34	2,315	1,020	3,335
CLINIC TOTALS.....	487		260		464		390		149		1,305		280		3,335		

\*By radium, x-ray or surgery, or any combination of these three.

†Including buccal surface of cheek, tonsil, etc.

‡Including air sinuses, larynx, pharynx, and nasal fossae.

§Including leukaemia, Hodgkin's disease, etc.

It is noted that there has been an increase in the volume of treated cases for each site, except for body of uterus in which there is a slight reduction. The "accessible" sites show the greatest increases. There were 67 more cases of breast cancer treated in 1946 than in 1945. In cervix uteri cases there was an increase of 74 cases, for oral cavity the increase amounted to 80 cases, and for skin, 49 cases.

TABLE 6  
STAGE OF DISEASE ON ADMISSION—CERTAIN SITES\*  
CASES TREATED 1938-1940, 1941-1945 AND 1946

SITE OF DISEASE	Stage of Disease	1938-1940		1941-1945		1946	
		Cases	Per Cent	Cases	Per Cent	Cases	Per Cent
Breast	I	244	23.0	462	22.2	130	24.3
	II	321	30.2	543	26.1	161	30.1
	III	154	14.5	340	16.4	115	21.5
	N.S.	343	32.3	733	35.3	129	24.1
	Total	1,062	100.0	2,078	100.0	535	100.0
Cervix uteri	I	87	14.3	195	15.4	70	20.8
	II	189	31.0	418	32.9	108	32.0
	III	224	36.7	436	34.3	97	28.8
	IV	92	15.0	153	12.0	44	13.1
	N.S.	18	3.0	68	5.4	18	5.3
	Total	610	100.0	1,270	100.0	337	100.0
Lip	I	445	75.6	648	66.5	171	69.2
	II	91	15.4	174	17.8	48	19.4
	III	26	4.4	64	6.6	13	5.3
	IV	8	1.4	24	2.5	3	1.2
	N.S.	19	3.2	64	6.6	12	4.9
	Total	589	100.0	974	100.0	247	100.0
Tongue	I	31	26.3	57	26.5	22	35.5
	II	49	41.5	61	28.4	13	21.0
	III	25	21.2	56	26.0	17	27.4
	IV	11	9.3	30	14.0	3	4.8
	N.S.	2	1.7	11	5.1	7	11.3
	Total	118	100.0	215	100.0	62	100.0
Other oral	I	56	21.1	104	21.2	24	19.8
	II	92	34.6	151	30.8	34	28.1
	III	68	25.6	139	28.3	39	32.2
	IV	23	8.6	61	12.4	10	8.3
	N.S.	27	10.1	36	7.3	14	11.6
	Total	266	100.0	491	100.0	121	100.0
Skin	I	1,308	84.5	2,460	73.3	685	80.0
	II	142	9.2	406	12.1	96	11.2
	III	31	2.0	151	4.5	21	2.5
	IV	9	0.6	42	1.3	5	0.6
	N.S.	57	3.7	296	8.8	49	5.7
	Total	1,547	100.0	3,355	100.0	856	100.0

\*Excluding recurrences.

NOTE—Included in the "Not Stated" group are cases treated at the Toronto Centre which were staged as post-operative and post-treated.

*Stage of Disease at the Beginning of Treatment*

In view of the marked differences in "survival" rates in early and late cases, considerable interest attaches to data on the stage of disease at the time when treatment is sought, and to any trends toward earlier treatment such as might be reflected by a shortening of the interval between first recognized symptom or sign and diagnosis as well as between diagnosis and treatment, and by the proportion of cases reaching treatment centres in the earlier stages of disease.

In assessing the recorded data on these points, it must be kept in mind that with improvement in methods, treatment may be undertaken now in cases which formerly might have been considered too far advanced for treatment.

In Table 6 data are presented on the recorded stage of disease at the time the patient first presented himself for treatment. Data for the two periods, 1938-1940 and 1941-1945, are given for comparison with the 1946 experience. Recurrences are excluded from these data.

The improvement in the proportion of new cases in the early stages remains, on the whole, quite small. The figures for breast are limited by the size of the group for which information on stage of disease was not recorded. The improvement in cervix uteri is the most significant of all with 20.8 per cent classed as Stage I in 1946, compared with 15.4 per cent in the five-year period 1941-1945. If we exclude the "not stated" group, 37 per cent of patients with cancer of breast, cervix uteri, and oral cavity presented themselves for treatment during 1946 before local spread, extension or metastasis had occurred.

There continues to be evidence of greater delay in seeking treatment (in terms of stage of disease when treatment is begun) in public patients as compared with private patients. In Table 7, data on stages of disease for certain sites, for public and private cases separately, illustrate this point.

TABLE 7  
STAGE OF DISEASE—PRIVATE AND PUBLIC CASES—CERTAIN SITES\*  
CASES TREATED ONLY

STAGE OF DISEASE	Breast				Cervix uteri				Oral Cavity			
	Private		Public		Private		Public		Private		Public	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
I	124	30.6	6	4.6	49	28.5	21	12.7	175	62.3	42	28.2
II	128	31.6	33	25.4	63	36.6	45	27.3	54	19.2	41	27.5
III	80	19.8	37	28.5	47	27.3	50	30.3	33	11.7	36	24.2
IV	—	0	—	0	6	3.5	38	23.0	2	0.7	14	9.4
Not stated	73	18.0	54	41.5	7	4.1	11	6.7	17	6.1	16	10.7
TOTAL..	405	100.0	130	100.0	172	100.0	165	100.0	281	100.0	149	100.0

\*Excluding recurrences.

NOTE—Included in the "Not Stated" group are cases treated at the Toronto Centre which were staged as post-operative and post-treated.

The recorded data on the breast cases are of limited significance because the stage of disease was not recorded in over forty per cent of the public cases. The picture for cervix uteri and oral cavity cases is quite striking. In cancer of the cervix uteri, 28.5 per cent of the "private" cases were Stage I compared with



only 12.7 per cent in "public" cases. In cases of oral cancer, 62.3 per cent of the private patients presented themselves for treatment in the early stage, compared with only 28.2 per cent of public cases.

#### *Classification of New Cases Recorded During 1946*

A summary of the 3,572 new patients recorded by the seven Cancer Centres during 1946, indicating the number with recurrences and the number not treated (for any reason), is presented in Table 8.

TABLE 8  
CLASSIFICATION OF NEW CASES ADMITTED BY SITE OF DISEASE

SITE OF DISEASE	Classification				TOTAL
	Primary	Previous	Recurrent	Not Treated	
Breast.....	185	350	64	32	631
Cervix uteri.....	318	19	12	17	366
Body of uterus.....	61	30	7	6	104
Oral cavity.....	418	12	14	22	466
Air passages.....	64	4	6	2	76
Rectum and anus.....	64	10	11	14	99
Skin.....	805	51	24	21	901
Other sites.....	542	206	58	123	929
TOTAL.....	2,457	682	196	237	3,572
PER CENT.....	68.8	19.1	5.5	6.6	100.0

The substantial increase in the total number of new patients treated is largely concentrated in the "accessible" sites. There was a slight increase compared with 1945, in the number of cases not treated, but this increase is largely accounted for by cancers of "non-accessible" sites. Further details in these cases are presented in Table 15. There is little change in the absolute number of recurrences, one-third of which were cases of breast cancer.

#### *Histological Confirmation of Clinical Diagnosis*

A pathological report was available in 2,866 or 86 per cent of the total of 3,335 new treated cases during the year. The frequency of histological examination, by site of disease, is given in Table 9.

TABLE 9  
HISTOLOGICAL EXAMINATION OF NEW CASES TREATED  
BY SITE OF DISEASE

SITE OF DISEASE	Path. Done		No Path. Done		No Data		TOTAL	
	Private	Public	Private	Public	Private	Public	Private	Public
Breast.....	390	135	22	15	32	5	444	155
Cervix uteri.....	173	159	6	5	3	3	182	157
Body of uterus.....	66	30	1	—	1	—	68	30
Oral cavity.....	259	143	23	8	10	1	292	152
Air passages.....	33	29	9	2	1	—	43	31
Rectum and anus.....	57	16	7	4	1	—	65	20
Skin.....	583	180	32	16	52	17	667	213
Other sites.....	418	195	85	53	51	4	554	252
TOTAL.....	1,979	887	185	103	151	30	2,315	1,020
PER CENT.....	85.5	87.0	8.0	10.1	6.5	2.9	100.0	100.0

Histological confirmation of the clinical diagnosis was available in 87.6 per cent of the breast cases, in 95.1 per cent of the cervix uteri cases, in 90.5 per cent of the oral cases and in 86.7 per cent of the skin cases.

The proportion of new treated cases of cancer of the breast, uterus, oral cavity, air passages, and rectum, in which a pathological report was obtained, is shown for each Cancer Centre, in Table 10.

TABLE 10  
HISTOLOGICAL EXAMINATIONS OF CERTAIN SITES\*  
NEW CASES TREATED

CENTRE	Private Cases			Public Cases		
	Histological Exams.		TOTAL	Histological Exams.		TOTAL
	Number	Per Cent		Number	Per Cent	
Hamilton.....	191	84.9	225	13	81.3	16
Kingston.....	86	96.6	89	23	95.8	24
London.....	170	95.0	179	34	85.0	40
Ottawa Civic.....	127	88.8	143	41	93.2	44
Ottawa General.....	65	82.3	79	12	75.0	16
Toronto.....	228	90.5	252	377	94.5	399
Windsor.....	111	87.4	127	12	75.0	16
TOTAL.....	978	89.4	1,094	512	92.3	555

\*Includes breast, uterus, oral cavity, air passages and rectum.

A pathological report was available in 90 per cent of all breast, uterus, oral cavity, air passage and rectum cases. This figure has shown considerable improvement over the past ten years. In 1939, for example, the proportion of new treated cases of these sites in which a pathological report was available was 77.4 per cent.

### *Prognosis*

Each follow-up card provides for a statement of whether the patient is regarded at the outset as treatable for cure, or for palliation only. A summary of the data given for all new cases recorded during 1946 is set out in Table 11.

In 2,267 cases, or 63.5 per cent of the total, the patient was recorded as treatable for cure. Patients classified as treatable for palliation only, numbered 988 or 27.7 per cent of the total. The ratio of cases treatable for cure to those treatable for palliation only reflects, among other things, the stage of disease when treatment was begun and the susceptibility to treatment in general. These data are useful in subsequent clinical appraisal of results of treatment.

### *Method of Treatment*

A general summary of the methods of treatment of new cases during the year (excluding recurrences) is given in Table 12.

Of all cases, 802 or 23.8 per cent were treated by radium alone. Radium, alone or in combination with x-ray, surgery, or both, was employed in 39.2 per cent of the cases. X-ray, in combination with radium, surgery, or both, was employed in 63.7 per cent of the cases. Cases treated by radiotherapy alone comprised 66.7 per cent of all cases. Surgery, alone or in combination with other forms of treatment, was used in 26.3 per cent of all the cases.

TABLE 11  
TOTAL NEW CASES BY PROGNOSIS AND SITE OF DISEASE

SITE OF DISEASE	Treatable for			No Data	Not* Treated	TOTAL
	Cure	Palliation	Ratio			
Breast.....	395	195	2.0	9	32	631
Cervix uteri.....	229	115	2.0	5	17	366
Body of uterus.....	70	26	2.7	2	6	104
Lip.....	249	8	31.1	2	7	266
Tongue.....	53	8	6.6	1	6	68
Other oral.....	81	39	2.1	3	9	132
Air passages.....	32	41	0.8	1	2	76
Rectum and anus.....	42	39	1.1	4	14	99
Skin.....	851	13	65.5	16	21	901
Ovary.....	33	47	0.7	—	9	89
Other sites.....	232	457	0.5	37	114	840
TOTAL.....	2,267	988	2.3	80	237	3,572
PER CENT.....	63.5	27.7	...	2.2	6.6	100.0

\*For any reason—see subsequent section and tabulation.

TABLE 12  
METHOD OF TREATMENT OF NEW CASES BY SITE OF DISEASE\*

TREATMENT	Site of Disease							TOTAL	
	Breast	Cervix Uteri	Body of Uterus	Oral Cavity	Air Passages	Rectum and Anus	Skin	Other Sites	Per Cent
X-ray.....	127	48	9	101	38	25	278	409	30.7
Radium.....	3	36	18	224	10	1	482	28	23.8
Radium and x-ray.....	4	230	20	87	11	6	35	21	12.2
Surgery and x-ray.....	373	8	24	6	3	22	24	194	19.4
Surgery and radium.....	—	—	8	6	1	—	24	21	1.8
Surgery, radium and x-ray.....	7	10	9	1	2	3	5	11	1.4
Not treated.....	32	17	6	22	2	14	21	123	7.0
Surgery alone.....	21	5	3	5	3	17	8	64	3.7
TOTAL.....	567	354	97	452	70	88	877	871	100.0

\*Excluding recurrences.

TABLE 13  
NEW CASES TREATED BY CENTRE AND METHOD OF TREATMENT\*

METHOD OF TREATMENT	Hamilton	Kingston	London	Ottawa (C)	Ottawa (G)	Toronto	Windsor	TOTAL CASES
	Number of Cases							
X-ray.....	234	46	274	77	20	304	80	1,035
Radium.....	26	85	45	130	27	422	67	802
Radium and x-ray.....	53	27	34	58	12	184	46	414
Surgery and x-ray.....	139	43	73	88	22	231	58	654
Surgery and radium.....	4	6	—	1	2	41	6	60
Surgery, radium and x-ray.....	6	4	1	10	2	17	8	48
Surgery alone.....	—	33	—	5	62	19	7	126
TOTAL.....	462	244	427	369	147	1,218	272	3,139
METHOD OF TREATMENT	Per Cent							TOTAL
X-ray.....	50.6	18.9	64.2	20.9	13.6	25.0	29.4	33.0
Radium.....	5.6	34.8	10.5	35.2	18.4	34.6	24.6	25.6
Radium and x-ray.....	11.5	11.1	8.0	15.7	8.2	15.1	16.9	13.2
Surgery and x-ray.....	30.1	17.6	17.1	23.8	15.0	19.0	21.3	20.8
Surgery and radium.....	†	2.5	†	†	†	3.4	2.3	1.9
Surgery, radium and x-ray.....	1.2	†	†	2.7	†	1.4	2.9	1.5
Surgery alone.....	†	13.5	†	1.4	42.2	1.5	2.6	4.0
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

\*Excludes recurrences.

†Percentages calculated only where 5 or more cases.



In order to assess the changes in treatment methods from year to year, comparison should be made for individual sites because of the change in site distribution over the years. Radium is used less extensively in the Centres now than it was five to ten years ago.

The distribution of treated cases (excluding recurrences) by method of treatment, for each Centre, is presented in Table 13.

The variations among the Centres are so great as to suggest real differences in treatment procedure. Radium alone was used in only 5.6 per cent of cases in one Centre compared with 35.2 per cent in another. Radium, alone or in combination with other methods, was used in 18.3 per cent of cases in one Centre and in 54.5 per cent of cases in another Centre. X-ray alone was employed in 64.2 per cent of cases in one Centre compared with 20.9 per cent in another.

These data must not be used alone as a basis for comparing treatment practice among the seven Cancer Centres. While the wide variations shown in Table 13 are so great as to suggest real differences in treatment procedure, data for individual sites alone are useful for this purpose.

The proportions of cases treated by radium alone, and by radium alone or in combination with other methods of treatment, for cervix uteri, oral cavity and skin cases, for each Centre, are given in Table 14.

TABLE 14  
PROPORTION OF CASES TREATED WITH RADIUM BY CENTRE\*

CENTRE	Radium Alone (%)			Radium Alone and in Combination† (%)		
	Cervix	Oral	Skin	Cervix	Oral	Skin
Hamilton.....	7	30	2	87	41	3
Kingston.....	4	56	71	80	78	78
London.....	0	49	6	70	58	7
Ottawa Civic.....	11	37	89	82	82	91
Ottawa General....	28	50	33	58	68	42
Toronto.....	13	55	83	77	76	95
Windsor.....	0	52	66	88	71	85
TOTAL (%).....	10	50	55	78	70	62

\*Excludes recurrences.

†With x-ray, surgery or both.

These data provide a better basis for comparison between the Centres in respect of treatment procedure. Most striking in this table are the differences in the proportions of cases of cancer of the skin which are treated by radium alone, and by radium alone or in combination with other methods. Hamilton and London stand in sharp contrast to the Ottawa Civic and Toronto Centres in this respect.

#### *Untreated Cases*

Of the 3,572 cases admitted to the seven Centres during 1946, 237 or 6.6 per cent were not treated. This group includes those patients who were given palliative treatment only. The number of untreated cases reported by each Centre was as follows: Hamilton, 6; Kingston, 27; London, 5; Ottawa Civic, 17; Ottawa General, 66; Toronto, 75; and Windsor, 41.

The reasons recorded for non-treatment are summarized in Table 15.

TABLE 15  
UNTREATED CASES BY REASON FOR NON-TREATMENT

REASON FOR NON-TREATMENT	SITE OF DISEASE						TOTAL
	Breast	Uterus	Oral Cavity	Air Passages	Rectum and Anus	Other Sites	
Too far advanced.....	9	11	6	—	8	69	103
Refused treatment.....	5	2	1	—	1	13	22
Did not return.....	4	—	5	1	—	8	18
Died before treatment.....	1	—	1	—	—	3	5
Co-existent disease.....	1	—	—	—	—	—	1
Age and general condition....	—	1	1	—	1	8	11
Other or no data.....	12	9	8	1	4	43	77
TOTAL.....	32	23	22	2	14	144	237
TOTAL TREATED.....	599	447	444	74	85	1,686	3,335

In 103 or 43 per cent of the cases, treatment was not given because of the advanced stage of disease. This number is equivalent to 3.1 per cent of total new cases recorded during the year.

#### *Age and Sex Distribution of New Treated Cases*

The distribution of the new *treated* cases by age and sex, and by site, is given in Table 16.

Of the 3,335 new treated cases, 1,506 were males and 1,829 were females. This is equivalent to a ratio of 82 male cases to each 100 female cases. Female cases substantially exceed male cases at all ages under 60 years. At ages 60-69 years the sexes are equally represented. At ages 70 and over there is a substantial male excess.

It is noteworthy, that 55.6 per cent of all female cases were under the age of 60 years, compared with 39.6 per cent of male cases. The sharp sex differences in recorded frequencies of cancer of breast, lip, larynx and skin are striking.

#### *Geographic Distribution of New Treated Cases*

The new treated cases are distributed by county or district of residence in Table 17. Data for 1945 are included for comparison. The 1946 case distribution is illustrated by Figure I.

TABLE 16  
NEW CASES TREATED BY AGE, SEX AND SITE OF DISEASE

SITE OF DISEASE	Under 40		40-49		50-59		60-69		70-79		80 and over		Not stated		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Breast.....	—	64	1	137	—	135	2	142	1	94	—	14	—	9	4	595
Cervix uteri.....	—	78	—	101	—	94	—	59	—	15	—	—	—	2	—	349
Body of uterus.....	—	6	—	15	—	35	—	24	—	17	—	—	—	1	—	98
Lip.....	13	1	26	—	48	—	76	2	62	—	25	—	6	—	256	3
Tongue.....	2	3	1	2	10	4	13	7	9	8	3	—	—	—	38	24
Other oral.....	2	—	7	—	17	4	37	8	27	9	9	3	—	—	99	24
Air sinuses.....	2	1	—	—	3	—	—	—	1	—	—	—	—	1	6	2
Larynx.....	1	1	5	1	6	1	8	2	10	—	2	—	1	—	33	5
Other air passages.....	—	—	2	2	7	4	2	2	7	—	2	—	—	—	20	8
Rectum and anus.....	3	5	9	10	10	9	16	8	2	6	4	2	—	1	44	41
Skin.....	21	13	42	23	93	49	151	75	162	91	64	50	30	16	563	317
Ovary.....	15	15	—	26	17	17	—	15	—	3	—	—	—	4	—	80
Other digestive tract.....	4	2	4	2	13	6	10	6	12	4	1	—	—	1	44	21
Other sites.....	104	57	59	32	80	62	86	59	53	33	8	11	9	8	399	262
TOTAL.....	152	246	156	351	287	420	401	409	346	280	118	80	46	43	1,506	1,829
PER CENT (by sex).....	10.1	13.4	10.4	19.2	19.1	23.0	26.6	22.4	23.0	15.3	7.8	4.4	3.0	2.3	100.0	100.0
RATIO OF MALES TO FEMALES.....	0.62		0.44		0.68		0.98		1.24		1.48		1.07		0.82	





TABLE 17  
NEW CASES TREATED BY AREA OF RESIDENCE  
1945 and 1946

COUNTY OR DISTRICT	Total Cases—All Sites				Accessible Sites Only†	
	Number		Rate*		1945	1946
	1945	1946	1945	1946		
Algoma.....	30	23	55	41	26	18
Brant.....	16	47	27	76	8	36
Bruce.....	14	33	32	73	13	29
Carleton.....	224	299	105	136	144	206
Cochrane.....	33	49	39	56	21	35
Dufferin.....	10	12	67	79	8	8
Dundas.....	15	24	88	137	10	15
Durham.....	11	18	41	66	10	11
Elgin.....	35	46	72	92	30	37
Essex.....	188	249	102	132	106	158
Frontenac.....	94	79	166	136	77	56
Glengarry.....	7	11	35	54	6	8
Grenville.....	16	21	95	121	15	17
Grey.....	15	27	25	44	9	20
Haldimand.....	10	21	43	89	10	18
Haliburton.....	—	2	§	§	—	2
Halton.....	39	24	129	78	26	18
Hastings.....	47	60	70	87	35	41
Huron.....	51	53	110	112	41	44
Kenora†.....	1	—	§	§	1	—
Kent.....	59	78	84	108	48	61
Lambton.....	47	42	78	68	38	34
Lanark.....	31	30	88	77	27	29
Leeds.....	49	58	128	148	38	44
Lennox and Addington...	10	22	51	110	7	19
Lincoln.....	46	77	67	109	26	56
Manitoulin.....	9	5	79	43	7	5
Middlesex.....	190	186	141	135	142	142
Muskoka.....	8	15	35	63	7	13
Nipissing.....	20	28	44	60	12	19
Norfolk.....	10	21	27	54	10	17
Northumberland.....	17	23	52	69	12	18
Ontario.....	48	51	60	72	38	39
Oxford.....	43	46	80	83	31	35
Parry Sound.....	15	11	47	34	11	8
Peel.....	20	29	60	85	18	22
Perth.....	16	19	30	35	10	15
Peterborough.....	30	28	60	54	19	19
Prescott.....	8	8	30	29	6	4
Prince Edward.....	14	15	79	82	12	12
Rainy River.....	1	1	§	§	1	—
Renfrew.....	34	46	60	78	27	35
Russell.....	8	12	43	63	3	6
Simcoe.....	51	54	55	57	36	42
Stormont.....	14	16	32	36	10	12
Sudbury.....	21	32	25	37	15	16
Thunder Bay.....	19	23	21	25	15	17
Timiskaming.....	27	29	50	53	19	22
Victoria.....	21	12	77	43	18	9
Waterloo.....	71	82	68	76	48	49
Welland.....	54	59	54	58	35	42
Wellington.....	48	65	76	101	37	46
Wentworth.....	233	299	107	133	172	228
York.....	780	592	78	57	488	379
Quebec.....	64	87	§	§	42	54
Other Provinces.....	13	12	§	§	8	10
U.S.A.....	18	14	§	§	13	10
Not stated.....	3	10	§	§	1	5
GRAND TOTAL.....	2,918	3,335	§	§	2,193	2,370
ONTARIO TOTAL.....	2,820	3,212	70.4	78.2	2,039	2,291

\*Per 100,000 estimated population (1945—4,004,000, 1946—4,107,000).

†Including breast, uterus, oral cavity and skin.

‡Including District of Patricia. §Rate not computed.



The Ontario case rate for 1946 was 78.2 per 100,000 population compared with 70.4 in 1945 and 60.5 in 1941. The case rate varied from 148 per 100,000 population in Leeds and 136 in Carleton to 25 per 100,000 population in Thunder Bay. The recorded case rate in the counties in which the Cancer Centres are located substantially exceeds the rate for the Province as a whole in all instances except York County.

The reliability of many of the crude rates shown in Table 17 is limited by the smallness of the recorded experience. For this reason, sizable fluctuations from year to year are to be expected. Accumulation of data for a five-year period will be required before effective comparison can be made and age-adjusted rates prepared. It is noteworthy, however, that for the most part the rates for the various counties and districts for 1946 are of the same general order (high, "average" or low) as they were in 1945, as well as in 1938 and 1939. This fact makes it reasonable to refer to the recorded rates as being high (100 or over), average (60-100), or low (under 60).

It is emphasized that the individual county and district rates in Table 17 merely reflect the extent to which various parts of the Province contribute to the total recorded case load. *They do not reflect the comparative incidence or prevalence of cancer* for at least two very good reasons. In the first place, by no means all of the new cases of cancer—even cancer of the "accessible" sites—reach the seven Ontario Cancer Centres. Many cases are treated elsewhere even in those cities where the Centres are located. In the second place, the age distribution of the population in any area is an important factor in determining the number of cases requiring treatment and the annual number of recorded deaths. In future, therefore, it is planned to prepare age-adjusted case and death rates for counties and districts so that more direct and useful comparison of recorded experience between various parts of the Province can be made.

#### *Scope of Service—Professional Interest*

A summary of the number of physicians referring cases of cancer to each of the Cancer Centres for treatment during 1946 is given in Table 18.

TABLE 18  
REFERRING PHYSICIANS BY CENTRE

CENTRE	New Cases on Record	No. of Different Referring Physicians	Different Physicians per New Case
Hamilton.....	493	242	0.49
Kingston.....	287	105	0.37
London.....	469	205	0.41
Ottawa Civic.....	407	163	0.40
Ottawa General.....	215	51	0.24
Toronto.....	1,380	707	0.51
Windsor.....	321	124	0.39
TOTAL.....	3,572	1,597	0.45

A total of 1,597 physicians, or about one-third of the number in practice in Ontario, each referred one or more new cases of cancer during 1946. This fact, and the widespread distribution of cases throughout the Province (Table 17), serve to indicate the scope and recognition of the service available.

*Non-Cancer Cases*

During 1946 a total of 3,576 patients with non-malignant tumours or non-neoplastic diseases, were treated in the seven Cancer Centres. A summary of the main diagnosis groups is presented in Table 19.

TABLE 19  
NON-CANCER CASES

Non-malignant Tumours		Non-neoplastic Diseases	
Diagnosis	Cases	Diagnosis	Cases
Angiomata, haemangiomata.....	313	Actinomycosis.....	5
Cysts (various).....	105	Asthma.....	9
Fibromata.....	68	Cervicitis.....	31
Keloids.....	66	Diseases of the thyroid.....	13
Keratosis.....	450	Fibrosis uteri.....	10
Leukoplakia.....	64	Infections n.s.e.....	273
Moles, naevi.....	93	Mastitis.....	59
Papillomata.....	119	Menorrhagia, etc.....	222
Polypi.....	18	Parotitis.....	13
Warts.....	447	Pruritis.....	45
Others.....	172	Skin diseases (various).....	436
		Thymic enlargement.....	25
		Tuberculosis.....	33
		Consultation only.....	120
		Others.....	367
TOTAL.....	1,915	TOTAL.....	1,661

Of the total number, 1,915 were patients with non-malignant tumours (including "precancerous" conditions such as leukoplakia) and 1,661 were non-neoplastic diseases. The large number of cases of keratosis and leukoplakia is of interest.

This concludes the general resume of the 1946 new case experience in Ontario's seven Cancer Centres.

## SUPPLEMENTARY STATISTICS

*Delay in Treatment*

Data have been presented in Tables 6 and 7 to illustrate the substantial proportion of patients reaching the clinics after local spread, extension or metastasis has occurred. The extent of delay in diagnosis and treatment, in terms of time since recognizable symptoms or signs were present, is difficult if not impossible to determine accurately for the reason that statements made by patients as to date of onset of disease (first symptom or sign) are unreliable in a great many cases. Patients who present themselves in the early stages of disease are more likely to report the appearance of the first symptom or sign accurately. On the contrary, patients with far advanced disease are likely to understate the duration of disease.

The recorded durations of symptoms in a group of cases of *new* cases of cancer of the cervix uteri treated during 1946 are presented in Table 20. These data were taken directly from the "follow-up" cards and refer to the intervals between date of first recorded symptom or sign and the date of admission to the Centre for treatment. Intervals are to the *nearest* month and figures are given separately by stage of disease.

TABLE 20  
DURATION OF SYMPTOMS BY STAGE OF DISEASE  
TREATED CERVIX CASES\*

STAGE	Duration of Symptoms (months)								TOTAL
	0-2	3-5	6-8	9-11	12-23	24-35	36+	N.S.	
I.....	4	2	1	2	—	1	3	1	14
II.....	7	11	4	5	5	1	2	2	37
III.....	6	15	9	4	5	—	3	2	44
IV.....	5	13	2	—	9	1	2	1	33
Post-operative	1	3	1	—	1	1	—	—	7
TOTAL.....	23	44	17	11	20	4	10	6	135
PER CENT....	17.0	32.6	12.6	8.1	14.8	3.0	7.4	4.4	100.0

\*Excluding recurrences, and ten cases for whom stage of disease was not stated.

Almost half of the cases had had symptoms for six months or longer before receiving treatment. Only 23 cases were admitted for treatment within three months of *recorded* onset. There is no evidence in these data of the expected relationship between stage of disease and delay in treatment. The reported long history, in Stage I cases particularly, is possibly open to question.

Another aspect of the problem of early treatment is that of delay following the first consultation of patients with a physician for symptoms or signs referable to cancer. Data on the recorded intervals between date of first consultation and admission to the Centre for treatment are given in Table 21. The cases included in this table are the same as those covered by Table 20.

TABLE 21  
TIME SINCE FIRST CONSULTATION BY STAGE OF DISEASE  
TREATED CERVIX CASES\*

STAGE	Time Since First Consultation (months)								TOTAL
	< 1	1	2	3-5	6-11	12-23	24+	N.S.	
I.....	5	4	1	2	1	—	—	1	14
II.....	10	13	2	4	3	2	1	2	37
III.....	17	11	5	4	3	—	—	4	44
IV.....	9	7	3	7	2	2	2	1	33
Post-operative	—	1	2	2	—	—	1	1	7
TOTAL.....	41	36	13	19	9	4	4	9	135
PER CENT....	30.4	26.7	9.6	14.1	6.7	3.0	3.0	6.7	100.0

\*Excluding recurrences, and ten cases for whom stage of disease was not stated.

Approximately one-third of the 135 patients received treatment within one month of their first consultation and two-thirds of them received treatment before three months had elapsed. On the other hand, in eight cases treatment was not received until after one year had elapsed.

Considerably more data are required to afford a precise statistical appraisal of the delays which occur between the reported onset of disease, diagnosis and treatment. Such studies were interrupted by the War but are now to be resumed.

#### *Trends in Volume of Treated Cases*

The present uniform system of record-keeping has been in operation in all seven Ontario Cancer Centres for nine full years, having been introduced in August, 1937. It is useful, therefore, to record the trend in case-volume during this period. A summary of the new cases treated, by site of disease, for the period 1938-1946 inclusive, is given in Table 22 for all Centres combined. Data for each Centre all sites combined, are given in Table 23.

These tables illustrate the steady increase in case-volume. The number of patients treated in 1946 was 58 per cent greater (1,230) than the number in 1938. Each of the specified site groups shows a substantial increase. Each of the seven Centres has contributed to the recorded increase in total number of new treated cases (Table 23). The ratios of the 1946 case-volume to that for 1938, for each Centre, are as follows: Hamilton, 1.61; Kingston, 1.40; London, 3.18; Ottawa Civic, 1.54; Ottawa General, 1.54; Toronto, 1.32; and Windsor, 2.06.

---

TABLE 22  
NEW CASES TREATED\* BY SITE OF DISEASE  
1938-1946

SITE OF DISEASE	1938	1939	1940	1941	1942	1943	1944	1945	1946
Breast.....	401	418	430	377	433	428	524	532	599
Cervix uteri.....	201	212	223	233	261	262	262	275	349
Body of uterus.....	62	60	54	59	64	78	85	102	98
Lip.....	211	219	183	218	191	218	199	205	259
Tongue.....	46	36	42	37	38	54	53	46	62
Other oralf.....	89	104	87	97	97	97	94	113	123
Air passages†.....	38	48	59	64	66	65	67	54	74
Rectum and anus.....	51	41	48	53	66	56	65	66	85
Skin.....	549	595	493	598	674	635	749	831	880
Other sites.....	447	534	505	559	565	504	636	695	806
TOTAL.....	2,105§	2,267	2,129	2,295	2,455	2,456	2,734	2,918	3,335

\*Treated by any method or combination. Includes cases treated by surgery alone, but excludes palliative surgery.

†Includes buccal surface of cheek, tonsil, etc.

‡Includes air sinuses, larynx, pharynx and nasal fossae.

§Includes 10 cases treated by surgery alone, not included above.



TABLE 23  
NEW CASES TREATED\* BY CENTRE  
1938-1946

CENTRE	1938	1939	1940	1941	1942	1943	1944	1945	1946
Hamilton.....	302	374	322	322	351	327	353	376	487
Kingston.....	186	184	162	206	165	177	192	217	260
London.....	146	143	148	203	254	270	365	413	464
Ottawa Civic.....	253	267	237	253	228	247	249	292	390
Ottawa General.....	97	115	86	84	119	57	104	102	149
Toronto.....	985	1,015	973	1,041	1,127	1,155	1,197	1,292	1,305
Windsor.....	136	169	201	186	211	223	274	226	280
TOTAL.....	2,105	2,267	2,129	2,295	2,455	2,456	2,734	2,918	3,335

\*Treated by any method or combination. Includes cases treated by surgery alone, but excluded palliative surgery.







Gov. Doc  
Ont  
L

488941

Ontario. Legislative Assembly  
Sessional papers. v.79, pt.2 (1947)

**University of Toronto  
Library**

**DO NOT  
REMOVE  
THE  
CARD  
FROM  
THIS  
POCKET**

Acme Library Card Pocket  
LOWE-MARTIN CO. LIMITED



